UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM 8-K

CURRENT REPORT Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): July 19, 2022 (July 19, 2022)

CELANESE CORPORATION

(Exact name of registrant as specified in its charter)

| Delaware | 001-32410 | 98-0420726 |
|--|---|---|
| (State or other jurisdiction of incorporation) | (Commission File Number) | (IRS Employer Identification No.) |
| | est Las Colinas Blvd. Suite 900N, Irv Idress of Principal Executive Offices) | |
| Registrant | s telephone number, including area coo | de: (972) 443-4000 |
| | N/A | |
| (Former | r name or former address, if changed s | ince last report) |
| Check the appropriate box below if the Form 8-K filing is provisions (see General Instruction A.2. below): | s intended to simultaneously satisfy th | e filing obligation of the registrant under any of the following |
| ☐ Written communications pursuant to Rule 425 under to | the Securities Act (17 CFR 230.425) | |
| ☐ Soliciting material pursuant to Rule 14a-12 under the | Exchange Act (17 CFR 240.14a-12) | |
| ☐ Pre-commencement communications pursuant to Rule | e 14d-2(b) under the Exchange Act (17 | CFR 240.14d-2(b)) |
| ☐ Pre-commencement communications pursuant to Rule | e 13e-4(c) under the Exchange Act (17 | CFR 240.13e-4(c)) |
| Securities registered pursuant to Section 12(b) of the Act | : | |
| Title of Each Class | <u>Trading Symbol(s)</u> | Name of Each Exchange on Which Registered |
| Common Stock, par value \$0.0001 per share | CE | The New York Stock Exchange |
| 1.125% Senior Notes due 2023 | CE /23 | The New York Stock Exchange |
| 1.250% Senior Notes due 2025 | CE /25 | The New York Stock Exchange |
| 2.125% Senior Notes due 2027 | CE /27 | The New York Stock Exchange |
| 0.625% Senior Notes due 2028 | CE /28 | The New York Stock Exchange |
| Indicate by check mark whether the registrant is an emergence securities Exchange Act of 1934. | ging growth company as defined in Ru | le 405 of the Securities Act of 1933 or Rule 12b-2 of the |
| Emerging growth company | | |
| f an emerging growth company, indicate by check mark revised financial accounting standards provided pursuant | | the extended transition period for complying with any new or \Box |
| | | |
| | | |

Item 1.01 Entry into a Material Definitive Agreement.

Completion of Offering of Senior Notes by Celanese US Holdings LLC

On July 19, 2022, Celanese US Holdings LLC ("Celanese US"), a wholly owned subsidiary of Celanese Corporation (the "Company"), completed its registered offering of €1,000,000,000 aggregate principal amount of 4.777% Senior Notes due 2026 (the "2026 Notes") and €500,000,000 aggregate principal amount of 5.337% Senior Notes due 2029 (the "2029 Notes," and together with the 2026 Notes, the "Notes"). The Notes have been issued under an Indenture, dated as of May 6, 2011 (the "Base Indenture"), among the Company, Celanese US, and Wells Fargo Bank, National Association, as trustee, as amended by a Thirteenth Supplemental Indenture, dated July 19, 2022 (the "Thirteenth Supplemental Indenture" and, together with the Base Indenture, the "Indenture"), among the Company, Celanese US, certain subsidiaries of Celanese US (the "Subsidiary Guarantors"), U.S. Bank Trust Company, National Association, as series trustee, registrar and transfer agent, Computershare Trust Company, N.A. (as successor trustee to Wells Fargo Bank, National Association), as base trustee, and Elavon Financial Services DAC, UK Branch, as paying agent.

The Company intends to use the net proceeds from the sale of the Notes, together with borrowings under its existing Term Loan Facility, the net proceeds of its previously announced and closed offering of \$2,000,000,000 aggregate principal amount of senior due 2024, \$1,750,000,000 aggregate principal amount of senior notes due 2025, \$2,000,000,000 aggregate principal amount of senior notes due 2029 and \$1,000,000,000 aggregate principal amount of senior notes due 2032, or other debt financing, available borrowings under its existing Revolving Credit Facility and cash on hand, to fund the purchase price of its previously announced acquisition of the majority of the Mobility & Materials business of DuPont de Nemours, Inc. (the "M&M Acquisition").

Celanese US's obligations under the Notes are guaranteed on a senior unsecured basis by the Company and, initially, by the Subsidiary Guarantors. The Notes pay interest annually, in arrears, on July 19 of each year, beginning on July 19, 2023, with respect to the 2024 Notes and January 19 of each year, beginning on January 19, 2023, with respect to the 2029 Notes. The interest rate payable on the Notes will be subject to adjustment based on certain ratings events.

The Notes are subject to special mandatory redemption. In the event that (x) the M&M Acquisition is not consummated on or prior to August 17, 2023 or such later date as the parties to the M&M Acquisition transaction agreement may agree as the "Outside Date" thereunder, or (y) the M&M Acquisition transaction agreement related thereto is terminated without the M&M Acquisition being consummated, Celanese US will be required to redeem all of the outstanding Notes at a redemption price equal to 101% of the aggregate principal amount of such Notes, respectively, plus accrued and unpaid interest, if any, to (but excluding) the redemption date.

The offering of the Notes was registered under the Securities Act of 1933, as amended, and is being made pursuant to the Registration Statement on Form S-3, Reg. No. 333-236294, and the Prospectus included therein, filed by the Company Parties with the Securities and Exchange Commission (the "Commission") on February 6, 2020, the related Prospectus Supplement dated July 12, 2022, and the Free Writing Prospectus filed with the Commission on July 12, 2022.

The foregoing description does not constitute a complete summary of the terms of the Notes, the Base Indenture and the Thirteenth Supplemental Indenture and is qualified in its entirety by reference to the copies of the form of Notes, the Thirteenth Supplemental Indenture and the Base Indenture filed as Exhibits 4.1, 4.2 and 4.3, respectively, to this Current Report, which are each incorporated herein by reference.

Item 2.03 Creation of a Direct Financial Obligation or an Obligation under an Off-Balance Sheet Arrangement of a Registrant

The information included in Item 1.01 of this Current Report is incorporated by reference into this Item 2.03.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit Number Description Form of Notes (included in Exhibit 4.2). 4.2* Thirteenth Supplemental Indenture, dated as of July 19, 2022, among Celanese US Holdings LLC, Celanese Corporation, the subsidiary guarantors party thereto, U.S. Bank Trust Company, National Association, as series trustee, registrar and transfer agent, Computershare Trust Company, N.A. (as successor trustee to Wells Fargo Bank, National Association), as base trustee, and Elavon Financial Services DAC, UK Branch, as paying agent. Indenture, dated May 6, 2011, by and between Celanese US Holdings LLC, Celanese Corporation and Wells Fargo Bank, National Association, as trustee (incorporated by reference to Exhibit 4.2 to the Current Report on Form 8-K (File No. 001-32410) filed with the SEC on May 6, <u>2011).</u> Opinion of Gibson, Dunn & Crutcher LLP, dated July 19, 2022. 5.1* 23.1* Consent of Gibson, Dunn & Crutcher LLP (included in Exhibit 5.1).

Cover Page Interactive Data File (the cover page XBRL tags are embedded within the inline XBRL document).

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^{*}Filed herewith.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

CELANESE CORPORATION

By: /s/ Michael R. Sullivan

Name: Michael R. Sullivan

Title: Vice President, Deputy General Counsel and Assistant Corporate

Secretary

Date: July 19, 2022

CELANESE US HOLDINGS LLC

THE GUARANTORS PARTY HERETO, as Guarantors,

U.S. BANK TRUST COMPANY, NATIONAL ASSOCIATION, as Trustee, Registrar and Transfer Agent,

and

ELAVON FINANCIAL SERVICES DAC, UK BRANCH, as Paying Agent

and

COMPUTERSHARE TRUST COMPANY, N.A., as Base Trustee (as successor to Wells Fargo Bank, National Association)

4.777% Senior Notes due 2026 5.337% Senior Notes due 2029

THIRTEENTH SUPPLEMENTAL INDENTURE

Dated as of July 19, 2022

to

INDENTURE

Dated as of May 6, 2011

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| | | | |

THIRTEENTH SUPPLEMENTAL INDENTURE, dated as of July 19, 2022, among CELANESE US HOLDINGS LLC, a Delaware limited liability company (the "Issuer"), the Guarantors (as defined herein), COMPUTERSHARE TRUST COMPANY, N.A., as successor to Wells Fargo Bank, National Association, as trustee under the Base Indenture (as defined below) (the "Base Trustee"), U.S. BANK TRUST COMPANY, NATIONAL ASSOCIATION, as series trustee (the "Trustee"), as registrar (the "Registrar") and as transfer agent (the "Transfer Agent") under the Indenture (as defined below) in respect of the series of Notes (as defined below) to be issued by the Issuer pursuant to this Thirteenth Supplemental Indenture (as defined below) in respect of the series of Notes (as defined below) to be issued by the Issuer pursuant to this Thirteenth Supplemental Indenture.

RECITALS

WHEREAS, the Issuer and the Base Trustee entered into an Indenture, dated as of May 6, 2011 (the "Base Indenture"), pursuant to which debentures, notes or other debt instruments of the Issuer may be issued in one or more series from time to time;

WHEREAS, Base Trustee has acted and will continue to act as Trustee (as defined under the Base Indenture) in respect of certain series of Securities which have been issued under the Base Indenture prior to the date of this Thirteenth Supplemental Indenture and remain outstanding;

WHEREAS, Section 2.2 of the Base Indenture permits the forms and terms of the Securities of any series as permitted in Sections 2.1 and 2.2 of the Base Indenture to be established in an indenture supplemental to the Base Indenture;

WHEREAS, Section 2.2.7 of the Base Indenture provides that a supplemental indenture establishing a Series of Securities shall establish a trustee, authenticating agent and paying agent with respect to such series of Securities, if different from those set forth in the Base Indenture;

WHEREAS, the Issuer wishes to establish (i) the Trustee as trustee, registrar, and transfer agent, and (ii) the Paying Agent as paying agent with respect to the Series of Securities under the Indenture (as defined below) and has requested the Trustee, the Registrar, the Paying Agent and the Transfer Agent, pursuant to Section 2.27 of the Indenture, to join with it, the Base Trustee and the Guarantors in the execution and delivery of this Thirteenth Supplemental Indenture in order to supplement the Base Indenture by, among other things, establishing the forms and certain terms of several new series of Securities to be known as (i) the Issuer's "4.777% Senior Notes due 2026" (the "2026 Notes") and (ii) the Issuer's "5.337% Senior Notes due 2029" (the "2029 Notes" and together with the 2026, the "Notes") and adding certain provisions thereto for the benefit of the Holders of the Notes;

WHEREAS, the Issuer has furnished the Authenticating Agent with a duly authorized and executed Company Order dated July 19, 2022 authorizing the issuance of the Notes, such Company Order sometimes referred to herein as the "Authentication Order";

WHEREAS, the Issuer hereby appoints the Trustee, and the Trustee hereby accepts such appointment, as the Trustee under the Indenture (as defined below) for the Notes.

WHEREAS, all things necessary to make this Thirteenth Supplemental Indenture a valid, binding and enforceable agreement of the Issuer, the Guarantors, the Base Trustee, the Trustee, the Paying Agent, the Registrar and the Transfer Agent and a valid supplement to the Base Indenture have been done; and

NOW, THEREFORE, THIS THIRTEENTH SUPPLEMENTAL INDENTURE WITNESSETH:

For and in consideration of the premises and the purchase by the Holders of the Notes to be issued hereunder, the Issuer, the Guarantors, the Trustee, the Paying Agent, the Registrar and the Transfer Agent mutually covenant and agree, for the equal and proportionate benefit of the Holders from time to time of the Notes, as follows:

ARTICLE ONE DEFINITIONS AND OTHER PROVISIONS OF GENERAL APPLICATION

SECTION 1.1 Definitions.

The Base Indenture together with this Thirteenth Supplemental Indenture are hereinafter sometimes collectively referred to as the "Indenture." For the avoidance of doubt, references to any "Section" of the "Indenture" refer to such Section of the Base Indenture as supplemented and amended by this Thirteenth Supplemental Indenture. All capitalized terms which are used herein and not otherwise defined herein are defined in the Base Indenture and are used herein with the same meanings as in the Base Indenture. If a capitalized term is defined in the Base Indenture and this Thirteenth Supplemental Indenture, the definition in this Thirteenth Supplemental Indenture shall apply to the Notes (and any notation of Guarantee endorsed thereon).

"Additional Notes" has the meaning set forth in Section 2.3.

"Affiliate" of any specified Person means any other Person directly or indirectly controlling or controlled by or under direct or indirect common control with such specified Person. For purposes of this definition, "control" (including, with correlative meanings, the terms "controlling," "controlled by" and "under common control with"), as used with respect to any Person, shall mean the possession, directly or indirectly, of the power to direct or cause the direction of the management or policies of such Person, whether through the ownership of voting securities, by agreement or otherwise.

"Attributable Debt" in respect of a Sale and Lease-Back Transaction means, as of any particular time, the present value (discounted at the rate of interest implicit in the terms of the lease involved in such Sale and Lease-Back Transaction, as determined in good faith by the Issuer) of the obligation of the lessee thereunder for rental payments (excluding, however, any amounts required to be paid by such lessee, whether or not designated as rent or additional rent, on account of maintenance and repairs, insurance, taxes, assessments, water rates or similar charges or any amounts required to be paid by such lessee thereunder contingent upon the amount of sales, maintenance and repairs, insurance, taxes, assessments, water rates or similar charges) during the remaining term of such lease (including any period for which such lease has been extended or may, at the option of the lessor, be extended).

"Beneficial Owner" has the meaning assigned to such term in Rule 13d-3 and Rule 13d-5 under the Exchange Act, except that in calculating the beneficial ownership of any particular "person" (as that term is used in Section 13(d)(3) of the Exchange Act), such "person" will be deemed to have beneficial ownership of all securities that such "person" has the right to acquire by conversion or exercise of other securities, whether such right is currently exercisable or is exercisable only upon the occurrence of a subsequent condition. The terms "Beneficially Owns" and "Beneficially Owned" have a corresponding meaning.

"Board of Directors" means:

- (a) with respect to a corporation, the board of directors of the corporation;
- (b) with respect to a partnership (including a société en commandite par actions), the Board of Directors of the general partner or manager of the partnership; and
 - (c) with respect to any other Person, the board or committee of such Person serving a similar function.

Unless otherwise specified, "Board of Directors" refers to the Board of Directors of the Parent Guarantor.

"Bund Rate" means, with respect to any redemption date, the rate per annum equal to the annual equivalent yield to maturity of the Comparable German Bund Issue calculated by the Quotation Agent, assuming a price for the Comparable German Bund Issue (expressed as a percentage of its principal amount) equal to the Comparable German Bund Price for such redemption date.

"Business Day" means any day, other than a Saturday or Sunday, that is neither a legal holiday nor a day on which commercial banks are authorized or required by law, regulation or executive order to close in New York or the place of payment, provided such day is also a London banking day and is a day on which the Trans-European Automated Real-time Gross Settlement Express Transfer (TARGET) System, or any successor thereto, operates.

"Capital Stock" means:

- (a) in the case of a corporation, corporate stock;
- (b) in the case of an association or business entity, any and all shares, interests, participations, rights or other equivalents (however designated) of corporate stock;
 - (c) in the case of a partnership or limited liability company, partnership or membership interests (whether general or limited); and
- (d) any other interest or participation that confers on a Person the right to receive a share of the profits and losses of, or distributions of assets of, the issuing Person.

"Change of Control" means the occurrence of any of the following:

- (a) the sale, lease or transfer, in one or a series of related transactions, of all or substantially all of the assets of the Issuer and its Subsidiaries, taken as a whole, to any Person or group (within the meaning of Section 13(d)(3) or Section 14(d)(2) of the Exchange Act, or any successor provision) other than the Parent Guarantor or any Subsidiary of the Parent Guarantor; or
- (b) the Issuer or any of its Subsidiaries becomes aware of (by way of a report or any other filing pursuant to Section 13(d) of the Exchange Act, proxy, vote, written notice or otherwise) the acquisition by any Person or group (within the meaning of Section 13(d)(3) or Section 14(d)(2) of the Exchange Act, or any successor provision), including any group acting for the purpose of acquiring, holding or disposing of securities (within the meaning of Rule 13d-5(b)(1) under the Exchange Act, but excluding any Subsidiary of the Parent Guarantor) in a single transaction or in a related series of transactions, by way of merger, consolidation or other business combination or purchase of beneficial ownership (within the meaning of Rule 13d-3 under the Exchange Act, or any successor provision) of 50% or more of the total voting power of the Voting Stock of the Issuer or any of its direct or indirect parent entity.

- "Change of Control Event" means the occurrence of both a Change of Control and a Rating Decline.
- "Clearstream" means Clearstream Banking, S.A., as currently in effect or any successor securities clearing agency.
- "Commission" means the Securities and Exchange Commission.
- "Common Depositary" means, with respect to Securities issuable or issued in whole or in part in the form of one or more Global Securities, Elavon Financial Services DAC, including any and all successors thereto appointed as Common Depositary hereunder and having become such pursuant to the applicable provisions(s) of the Indenture.
- "Comparable German Bund Issue" means that German Bundesanleihe security selected by the Quotation Agent as having a maturity comparable to the remaining term of the Notes to be redeemed that would be utilized, at the time of selection and in accordance with customary financial practice, in pricing new issues of corporate notes of comparable maturity to the remaining term of the Notes.
- "Comparable German Bund Price" means, with respect to any redemption date, (i) the average of four Reference German Bund Dealer Quotations for such redemption date, after excluding the highest and lowest such Reference German Bund Dealer Quotations, or (ii) if the Quotation Agent obtains fewer than four such Reference German Bund Dealer Quotations, the average of all such quotations.
- "Consolidated Net Tangible Assets" means, at any particular time, Consolidated Tangible Assets at such time after deducting therefrom all current liabilities, except for (i) notes and loans payable, and (ii) current maturities of the principal component of obligations in respect of capitalized leases, all as set forth on the most recent consolidated balance sheet of the Parent Guarantor and its consolidated Subsidiaries and computed in accordance with GAAP.
- "Consolidated Tangible Assets" means, at any particular time, the aggregate amount of all assets (less applicable reserves and other properly deductible items) after deducting therefrom all goodwill, trade names, trademarks, patents, unamortized debt discount and expenses (to the extent included in said aggregate amount of assets) and other like intangibles, as set forth on the most recent consolidated balance sheet of the Parent Guarantor and its consolidated Subsidiaries and computed in accordance with GAAP.

"Credit Agreements" means (i) that certain Credit Agreement, dated as of March 18, 2022, by and among the Parent Guarantor, the Issuer, Celanese Europe B.V., certain subsidiaries of the Issuer from time to time party thereto as borrowers, each lender from time to time party thereto, Bank of America, N.A., as administrative agent, a swing line lender and an L/C Issuer and the other swing line lenders and L/C issuers party thereto, and (ii) that certain Term Loan Credit Agreement, dated as of March 18, 2022, by and among the Parent Guarantor, the Issuer, each lender from time to time party thereto, Bank of America, N.A., as administrative agent, a swingline lender and an L/C issuer and other swing line lenders and L/C issuers, in each case, including any related notes, guarantees, instruments and agreements executed in connection therewith, and in each case as amended, restated, supplemented, modified, renewed, refunded, replaced or refinanced from time to time in one or more agreements or indentures (in each case with the same or new lenders or institutional investors), including any agreement or indenture extending the maturity thereof or otherwise restructuring all or any portion of the Indebtedness thereunder or increasing the amount loaned or issued thereunder or altering the maturity thereof.

"Default" means any event that is, or with the passage of time or the giving of notice or both would be, an Event of Default.

"Dollars" and "\$" means the currency of the United States.

"Equity Interests" means Capital Stock and all warrants, options or other rights to acquire Capital Stock (but excluding any debt security that is convertible into, or exchangeable for, Capital Stock).

"Euro-Denominated Designated Government Obligations" means direct non-callable and nonredeemable obligations denominated in Euros (in each case, with respect to the issuer thereof) of any member state of the European Union that is a member of the European Union provided that such member state has a long term government debt rating of "A1" or higher by Moody's or A+ or higher by Standard & Poor's or the equivalent rating category of another internationally recognized rating agency.

"Euros" or " $\underline{\epsilon}$ " means the currency of the member states of the European Union that have adopted or that adopt the single currency in accordance with the treaty establishing the European Community, as amended by the Treaty on European Union.

"Euroclear" means Euroclear S.A./N.V., as operator of the Euroclear system or any successor clearing agency.

"<u>European Union</u>" means the member states of the European Union established by the Treaty of European Union, signed at Maastricht on February 2, 1992, which amended the Treaty of Rome establishing the European Community.

"Exchange Act" means the Securities Exchange Act of 1934, as amended, and the rules and regulations of the Commission promulgated thereunder.

"GAAP" means generally accepted accounting principles in the United States set forth in the Financial Accounting Standards Board Accounting Standards Codification or such other principles as may be approved by a significant segment of the accounting profession in the United States, that are applicable to the circumstances as of the date of determination, consistently applied. For purposes of this description of the Notes, the term "consolidated" with respect to any Person means such Person consolidated with its Subsidiaries.

"Gradation" means a gradation within a Rating Category or a change to another Rating Category, which shall include: (a) "+" and "-" in the case of S&P's current Rating Categories (e.g., a decline from BB+ to BB would constitute a decrease of one gradation), (b) 1, 2 and 3 in the case of Moody's current Rating Categories (e.g., a decline from Ba1 to Ba2 would constitute a decrease of one gradation), or (c) the equivalent in respect of successor Rating Categories of S&P or Moody's or Rating Categories used by Rating Agencies other than S&P and Moody's.

"guarantee" means a guarantee other than by endorsement of negotiable instruments for collection in the ordinary course of business, direct or indirect, in any manner including, without limitation, through letters of credit or reimbursement agreements in respect thereof, of all or any part of any Indebtedness or other obligations.

"Guarantee" means any guarantee of the obligations of the Issuer under the Indenture and the Notes by a Guarantor in accordance with the provisions of the Indenture. When used as a verb, "Guarantee" shall have a corresponding meaning.

"Guarantor" means any Person that incurs a Guarantee of the Notes; *provided* that upon the release and discharge of such Person from its Guarantee in accordance with the Indenture, such Person shall cease to be a Guarantor.

"Holder" means the Person in whose name a Note is registered in the register maintained by the Registrar.

"Indebtedness" means any indebtedness for borrowed money.

"Investment Grade Rating" means a rating equal to or higher than BBB- (or the equivalent) by S&P and Baa3 (or the equivalent) by Moody's, or the equivalent thereof under any new ratings system if the ratings system of any such agency shall be modified after the date of the indenture or an equivalent rating by any other Rating Agency.

"Investments" means, with respect to any Person, all direct or indirect investments by such Person in other Persons (including Affiliates) in the forms of loans (including guarantees or other obligations), advances or capital contributions (excluding accounts receivable, trade credit, advances to customers, commission, travel and similar advances to officers and employees, in each case made in the ordinary course of business), purchases or other acquisitions for consideration of Indebtedness, Equity Interests or other securities issued by any other Person and investments that are required by GAAP to be classified on the balance sheet (excluding the footnotes) of such Person in the same manner as the other investments included in this definition to the extent such transactions involve the transfer of cash or other property.

"Issue Date" means July 19, 2022.

"Joint Venture" means any Person that is not a Wholly Owned Subsidiary of the Issuer or any Subsidiary of the Issuer in which the Issuer or such Subsidiary makes an Investment.

"Lien" means any mortgage, security interest, pledge or lien.

"M&M Acquisition" means the pending acquisition by the Parent Guarantor and its Subsidiaries of the majority of the Mobility & Materials business of DuPont de Nemours, Inc.

"Moody's" means Moody's Investors Service, Inc. and its successors.

"Non-Recourse Indebtedness" means, with respect to any Joint Venture, any Indebtedness of such Joint Venture or its Subsidiaries that is, by its terms, recourse only to (i) the assets of, and/or Capital Stock in, such Joint Venture and its Subsidiaries and/or (ii) the assets of any Subsidiary that owns Capital Stock in such Joint Venture and owns no material assets other than (x) Capital Stock and other Investments in such Joint Venture and (y) cash and cash equivalents, and that is neither guaranteed by the Issuer or any of its Subsidiaries (other than such Joint Venture and its Subsidiaries) or would become the obligation of the Issuer or any of its Subsidiaries (other than such Joint Venture and its Subsidiaries) upon a default thereunder, other than (i) recourse for fraud, misrepresentation, misapplication of cash, waste, environmental claims and liabilities, prohibited transfers, violations of single purpose entity covenants and other circumstances customarily excluded by institutional lenders from exculpation provisions and/or included in separate guaranty or indemnification agreements in non-recourse financings, and (ii) the existence of a guarantee that does not constitute a guarantee of payment of principal, interest or premium on Indebtedness.

"Notes" means, collectively, (i) the 2026 Notes and (ii) the 2029 Notes, in each case issued by the Issuer hereunder, including, without limitation, any Additional Notes, treated as a single series of securities with either of the foregoing.

"Officer" means the Chairman of the Board, the Chief Executive Officer, the President, any Executive Vice President, Senior Vice President or Vice President, the Treasurer, any Assistant Treasurer, the Secretary or any Assistant Secretary of the Issuer.

"Officers' Certificate" means a certificate signed on behalf of the Issuer by two Officers of the Issuer, one of whom is the principal executive officer, the principal financial officer, the treasurer or the principal accounting officer of the Issuer, that meets the requirements set forth in the Indenture.

"Outstanding Notes" means, collectively, the Issuer's (i) 4.625% notes due November 15, 2022, (ii) 1.125% notes due September 26, 2023, (iii) 3.500% notes due May 8, 2024, (iv) 5.900% notes due July 5, 2024, (v) 1.250% notes due February 11, 2025, (vi) 6.050% notes due March 15, 2025, (vii) 1.400% notes due August 5, 2026, (viii) 2.125% notes due March 1, 2027, (ix) 6.165% notes due July 15, 2027, (x) 0.625% notes due September 10, 2028, (xi) 6.330% notes due July 15, 2029 and (xii) 6.379% notes due July 15, 2032.

"Parent Guarantor" means Celanese Corporation, a Delaware corporation.

"Permitted Liens" means the following types of Liens:

- (a) Liens on such property, Capital Stock or Indebtedness existing as of the Issue Date;
- (b) Liens on such property or Capital Stock or Indebtedness of, any Person, which Liens are existing at the time such Person is merged into or consolidated with the Issuer or any Subsidiary;
- (c) Liens in favor of any governmental body to secure progress, advance or other payments pursuant to any contract or provision of any statute;
- (d) Liens on such property, Capital Stock or Indebtedness existing at the time of acquisition thereof (including acquisition through merger or consolidation);
- (e) Liens on such property, Capital Stock or Indebtedness to secure the payment of all or any part of the purchase price or improvement or construction cost thereof or to secure any Indebtedness incurred prior to, at the time of, or within 180 days after, the acquisition of such property, Capital Stock or Indebtedness, the completion of any construction or the commencement of full operation, for the purpose of financing all or any part of the purchase price or construction cost thereof;

- (f) Liens on any property of, or Capital Stock in, any Joint Venture (or any Subsidiary of a Joint Venture), or on any property of any Subsidiary of the Issuer that owns Capital Stock in such Joint Venture and owns no material assets other than (i) Capital Stock and other Investments in such Joint Venture and (ii) cash and cash equivalents, in each case, securing Non-Recourse Indebtedness of such Joint Venture;
 - (g) Liens incurred in connection with a Sale and Leaseback Transaction satisfying the provisions under Section 4.2;
- (h) any extension, renewal or replacement (or successive extensions, renewals or replacements), as a whole or in part, of any Liens permitted by clauses (a) through (g); provided that such extension, renewal or replacement Lien shall be limited to all or a part of the same such property or shares of stock or Indebtedness that secured the Lien extended, renewed or replaced (plus improvements on such property); and
- (i) Liens for current taxes not yet due and payable or taxes being contested in good faith by appropriate proceedings and for which adequate reserves have been established on the Issuer's consolidated financial statements in accordance with GAAP.
- "Person" means any individual, corporation, partnership, joint venture, association, joint-stock company, trust, unincorporated organization, limited liability company or government or other entity.
- "Principal Property" means any single parcel of real estate, any single manufacturing plant or any single warehouse, in each case owned by the Issuer or any of its Subsidiaries which is located within the U.S., the net book value of which on the date as of which the determination is being made exceeds 1% of Consolidated Net Tangible Assets, other than any such single parcel of real estate, any single manufacturing plant or any single warehouse that, in the opinion of the Board of Directors, is not of material importance to the business conducted by the Issuer and its Subsidiaries as a whole.
- "Qualified Securitization Financing" means any Securitization Financing of a Securitization Subsidiary that meets the following conditions:

 (a) the Issuer shall have determined in good faith that such Qualified Securitization Financing (including financing terms, covenants, termination events and other provisions) is in the aggregate economically fair and reasonable to the Issuer and the Securitization Subsidiary, (b) all sales of Securitization Assets and related assets to the Securitization Subsidiary are made at fair market value (as determined in good faith by the Issuer) and (c) the financing terms, covenants, termination events and other provisions thereof shall be substantially on market terms (as determined in good faith by the Issuer) and may include Standard Securitization Undertakings.
 - "Quotation Agent" means a Reference German Bund Dealer appointed by the Issuer.
- "Rating Agency" means each of (a) S&P and Moody's or (b) if either S&P or Moody's or both of them are not making ratings of the Notes publicly available, a nationally recognized United States rating agency or agencies, as the case may be, selected by the Issuer, which will be substituted for S&P or Moody's or both, as the case may be.
- "Rating Category" means (a) with respect to S&P, any of the following categories (any of which may include a "+" or "-"): AAA, AA, A, BBB, BB, B, CCC, CC, C, R, SD and D (or equivalent successor categories); (b) with respect to Moody's, any of the following categories (any of which may include a "1", "2" or "3"): Aaa, Aa, A, Baa, Ba, B, Caa, Ca, and C (or equivalent successor categories), and (c) the equivalent of any such categories of S&P or Moody's used by another Rating Agency, if applicable.

"Rating Decline" means that at any time within the earlier of (a) 90 days after the date of public notice of a Change of Control, or of the Issuers' or the Parent Guarantor's intention or the intention of any Person to effect a Change of Control, and (b) the occurrence of the Change of Control (which period shall in either event be extended so long as the rating of the Notes is under publicly announced consideration for possible downgrade by a Rating Agency which announcement is made prior to the date referred to in clause (b)), the rating of the Notes is decreased by either Rating Agency by one or more Gradations and the rating by both Rating Agencies on the Notes following such downgrade is not an Investment Grade Rating.

"Reference German Bund Dealer" means any dealer of German Bundesanleihe securities selected by the Issuer in good faith.

"Reference German Bund Dealer Quotations" means, with respect to each Reference German Bund Dealer and any redemption date, the average, as determined by the Issuer, of the bid and asked prices for the Comparable German Bund Issue (expressed in each case as a percentage of its principal amount) quoted in writing to the Quotation Agent by such Reference German Bund Dealer at 3:30 p.m., Frankfurt, Germany time, on the third Business Day preceding such redemption date.

"S&P" means Standard & Poor's Financial Services LLC, a subsidiary of S&P Global, Inc. and any successor to its rating agency business.

"Sale and Lease-Back Transaction" means the leasing by the Issuer or any of its Subsidiaries of any Principal Property, whether owned on the Issue Date or acquired thereafter (except for temporary leases for a term, including any renewal term, of up to three years and except for leases between the Issuer and any of its Subsidiaries or between its Subsidiaries), which Principal Property has been or is to be sold or transferred by the Issuer or such Subsidiary to any party with the intention of taking back a lease of such Principal Property.

"Secured Debt" means any Indebtedness secured by a Lien.

"Securities Act" means the Securities Act of 1933, as amended, and the rules and regulations of the Commission promulgated thereunder.

"Securitization Assets" means any accounts receivable, inventory, royalty or revenue streams from sales of inventory subject to a Qualified Securitization Financing.

"Securitization Financing" means any transaction or series of transactions that may be entered into by the Issuer or any of its Subsidiaries pursuant to which the Issuer or any of its Subsidiaries may sell, convey or otherwise transfer to (i) a Securitization Subsidiary (in the case of a transfer by the Issuer or any of its Subsidiaries) or (ii) any other Person (in the case of a transfer by a Securitization Subsidiary), or may grant a security interest in, any Securitization Assets (whether now existing or arising in the future) of the Issuer or any of its Subsidiaries, and any assets related thereto including all collateral securing such Securitization Assets, all contracts and all guarantees or other obligations in respect of such Securitization Assets, proceeds of such Securitization Assets and other assets which are customarily transferred or in respect of which security interests are customarily granted in connection with asset securitization transactions involving Securitization Assets and any obligations in respect of any Swap Contract entered into by the Issuer or any such Subsidiary in connection with such Securitization Assets.

"Securitization Repurchase Obligation" means any obligation of a seller of Securitization Assets in a Qualified Securitization Financing to repurchase Securitization Assets arising as a result of a breach of a representation, warranty or covenant or otherwise, including as a result of a receivable or portion thereof becoming subject to any asserted defense, dispute, off-set or counterclaim of any kind as a result of any action taken by, any failure to take action by or any other event relating to the seller.

"Securitization Subsidiary." means a Wholly Owned Subsidiary of the Issuer (or another Person formed for the purposes of engaging in a Qualified Securitization Financing in which the Issuer or any Subsidiary of the Issuer makes an Investment and to which the Parent Guarantor or any Subsidiary of the Issuer transfers Securitization Assets and related assets) which engages in no activities other than in connection with the financing of Securitization Assets of the Issuer or its Subsidiaries, all proceeds thereof and all rights (contractual and other), collateral and other assets relating thereto, and any business or activities incidental or related to such business and (a) no portion of the Indebtedness or any other obligations (contingent or otherwise) of which (i) is guaranteed by the Issuer or any other Subsidiary of the Issuer (excluding guarantees of obligations (other than the principal of, and interest on, Indebtedness) pursuant to Standard Securitization Undertakings), (ii) is recourse to or obligates the Parent Guarantor or any other Subsidiary of the Issuer in any way other than pursuant to Standard Securitization Undertakings or (iii) subjects any property or asset of the Issuer or any other Subsidiary of the Issuer, directly or indirectly, contingently or otherwise, to the satisfaction thereof, other than pursuant to Standard Securitization Undertakings, (b) with which neither the Issuer nor any other Subsidiary of the Issuer has any material contract, agreement, arrangement or understanding (other than Standard Securitization Undertakings) other than on terms which the Issuer reasonably believes to be no less favorable to the Issuer or such Subsidiary than those that might be obtained at the time from Persons that are not Affiliates of the Parent Guarantor and (c) to which neither the Issuer nor any other Subsidiary of the Issuer has any obligation to maintain or preserve such entity's financial condition or cause such entity to achieve certain levels of operating results.

"Significant Subsidiary" means any Subsidiary that would be a "significant subsidiary" as defined in Article 1, Rule 1-02 of Regulation S-X, promulgated pursuant to the Securities Act, as such Regulation is in effect on the date hereof.

"Standard Securitization Undertakings" means representations, warranties, covenants, indemnities and other obligations entered into by Parent Guarantor or any Subsidiary thereof which Parent Guarantor has determined in good faith to be customary in a Securitization Financing, including those relating to the servicing of the assets of a Securitization Subsidiary, it being understood that any Securitization Repurchase Obligation shall be deemed to be a Standard Securitization Undertaking.

"Subsidiary" means, with respect to any specified Person:

- (a) any corporation, association or other business entity, of which more than 50% of the total voting power of shares of Capital Stock entitled (without regard to the occurrence of any contingency) to vote in the election of directors, managers or trustees thereof is at the time owned or controlled, directly or indirectly, by that Person or one or more of the other Subsidiaries of that Person (or a combination thereof); and
- (b) any partnership, joint venture, limited liability company or similar entity of which (i) more than 50% of the capital accounts, distribution rights, total equity and voting interests or general or limited partnership interests, as applicable, are owned or controlled, directly or indirectly, by such Person or one or more of the other Subsidiaries of that Person or a combination thereof whether in the form of membership, general, special or limited partnership or otherwise and (ii) such Person or any Subsidiary of such Person is a controlling general partner or otherwise controls such entity.

"Substitute Rating Agency." means, in the event either Moody's or S&P ceases to rate the Notes of any series or fails to make a rating of the Notes of such series publicly available for reasons outside the control of the Issuer, a "nationally recognized statistical rating organization" within the meaning of Section 3(a)(62) under the Exchange Act selected by the Issuer as a replacement agency for Moody's or S&P, as applicable.

"Swap Contract" means any and all rate swap transactions, basis swaps, credit derivative transactions, forward rate transactions, commodity swaps, commodity options, forward commodity contracts, equity or equity index swaps or options, bond or bond price or bond index swaps or options or forward bond or forward bond price or forward bond index transactions, interest rate options, forward foreign exchange transactions, cap transactions, floor transactions, currency swap transactions, cross-currency rate swap transactions, currency options, spot contracts, or any other similar transactions or any combination of any of the foregoing (including any options to enter into any of the foregoing), whether or not any such transaction is governed by or subject to any master agreement.

"<u>Transaction Agreement</u>" means that certain Transaction Agreement dated as of February 17, 2022, among the Parent Guarantor, DuPont de Nemours Inc. and DuPont E&I Holdings, Inc.

"United States" means the United States of America, the states of the United States, and the District of Columbia.

"<u>United States Dollar Equivalent</u>" means with respect to any monetary amount in a currency other than Dollars, at any time of determination thereof, the amount of Dollars obtained by translating such other currency involved in such computation into Dollars at the spot rate for the purchase of Dollars with the applicable other currency as published in the Financial Times on the date that is two Business Days prior to such determination.

"United States Person" means any individual who is a citizen or resident of the United States for United States federal income tax purposes, a corporation, partnership or other entity created or organized in or under the laws of the United States, any state of the United States or the District of Columbia, an estate the income of which is subject to United States federal income taxation regardless of its source, or a trust, if (a) a court within the United States is able to exercise primary jurisdiction over its administration and one or more United States Persons have the authority to control all of its substantial decisions or (b) it has a valid election in place under applicable United States Treasury regulations to be treated as a domestic trust.

"Voting Stock" of any Person as of any date means the Capital Stock of such Person that is at the time entitled to vote in the election of the Board of Directors of such Person.

"Wholly Owned Subsidiary" of any Person means a Subsidiary of such Person, 100% of the outstanding Capital Stock or other ownership interests of which (other than directors' qualifying shares or nominee or other similar shares required pursuant to applicable law) shall at the time be owned by such Person or by one or more Wholly Owned Subsidiaries of such Person.

SECTION 1.2 Other Definitions.

| | Defined in |
|---------------------------------------|------------|
| Term | Section |
| "additional amounts" | 4.6 |
| "Applicable Law" | 10.11 |
| "Applicable Par Call Date" | 3.2 |
| "Authenticating Agent" | 2.3(k) |
| "Change of Control Offer" | 4.4(b) |
| "Change of Control Payment" | 4.4(a) |
| "Change of Control Payment Date" | 4.4(b) |
| "Code" | 4.5(a) |
| "Event of Default" | 7.1 |
| "Minimum Denominations" | 2.3(a) |
| "Required Filing Date" | 4.3 |
| "Special Mandatory Redemption" | 3.4(a) |
| "Special Mandatory Redemption Date" | 3.4(b) |
| "Special Mandatory Redemption Event" | 3.4(a) |
| "Special Mandatory Redemption Notice" | 3.4(b) |
| "Special Mandatory Redemption Price" | 3.4(a) |
| "Successor Company" | 5.1(a)(i) |
| "Successor Guarantor" | 5.2(a)(i) |

SECTION 1.3 Rules of Construction.

For all purposes of this Thirteenth Supplemental Indenture, except as otherwise expressly provided or unless the context otherwise requires:

- (a) the terms defined in this article have the meanings assigned to them in this Article One and include the plural as well as the singular;
- (b) all other terms used in the Indenture which are defined in the Trust Indenture Act, either directly or by reference therein, have the meanings assigned to them therein;
- (c) all accounting terms not otherwise defined herein have the meanings assigned to them in accordance with generally accepted accounting principles in the United States, and, except as otherwise herein expressly provided, the term "generally accepted accounting principles" with respect to any computation required or permitted hereunder shall mean such accounting principles as are generally accepted at the date of such computation;
- (d) the words "herein," "hereof" and "hereunder" and other words of similar import refer to the Indenture as a whole and not to any particular article, section or other subdivision; and
 - (e) all references used herein to the male gender shall include the female gender.

ARTICLE TWO SECURITIES FORMS

SECTION 2.1 <u>Creation of the Notes; Designations.</u>

In accordance with Section 2.2 of the Base Indenture, the Issuer hereby creates the Notes as series of its Securities issued pursuant to the Indenture. In accordance with Section 2.2 of the Base Indenture, the Notes are each a separate series of Notes and shall be known and designated as (i) the Issuer's "4.777% Senior Notes due 2026" and (ii) the Issuer's "5.337% Senior Notes due 2029".

SECTION 2.2 Forms Generally.

- (a) The Notes and the Authenticating Agent's certificate of authentication shall be in the forms set forth in (i) in the case of the 2026 Notes, Exhibit A-1 and (ii) in the case of the 2029 Notes, Exhibit A-2 and, in each case, the notation of Guarantee to be endorsed thereon shall be in the form set forth in Exhibit B attached hereto, in each case with such appropriate insertions, omissions, substitutions and other variations as are required or permitted by the Indenture and may have such letters, numbers or other marks of identification and such legends or endorsements placed thereon as may be required to comply with the rules of any securities exchange or as may, consistently herewith, be determined by the officers executing such Notes, as evidenced by their execution of the Notes. Any portion of the text of any Note may be set forth on the reverse thereof, with an appropriate reference thereto on the face of the Note.
- (b) The Notes may be printed, lithographed or engraved or produced by any combination of these methods or in any other manner, as determined by the officers of the Issuer executing such Notes, as evidenced by their manual execution of such Notes.

SECTION 2.3 <u>Title and Terms of Notes.</u>

- (a) The aggregate principal amount of Notes which shall be authenticated and delivered on the Issue Date under the Indenture shall be (i) with respect to the 2026 Notes, €1,000,000,000 and (ii) with respect to the 2029 Notes, €500,000,000; provided, however, that the Issuer from time to time, without giving notice to or seeking the consent of the Holders of the Notes, may issue additional Notes (the "Additional Notes") in any amount having the same terms as the Notes of such series, as the case may be, in all respects, except for the issue date, the issue price and the initial interest payment date, which Additional Notes shall increase the aggregate principal amount of, and shall be consolidated and form a single series with, the Notes of such series. Any such Additional Notes shall be authenticated by the Authenticating Agent upon receipt of an Authentication Order to that effect, and when so authenticated, will constitute "Notes" for all purposes of the Indenture and will (together with all other Notes of such series issued under the Indenture) constitute a single series of Securities under the Indenture. The Notes will be issued only in fully registered form without coupons in minimum denominations of €100,000 and integral multiples of €1,000 in excess thereof (the "Minimum Denominations").
- (b) <u>Maturity Date</u>. The principal amount of (i) the 2026 Notes is due and payable in full on July 19, 2026 and (ii) the 2029 Notes is due and payable in full on January 19, 2029.
- (c) Interest Rate. The Notes shall bear interest at the rate of (i) in the case of the 2026 Notes at the rate of 4.777% per annum and (ii) in the case of the 2029 Notes at the rate of 5.337% per annum (in each case, computed on the basis of the actual number of days in the period for which interest is being calculated and the actual number of days from and including the last date on which interest was paid on the notes (or July 19, 2022, if no interest has been paid on the Notes), to but excluding the next scheduled interest payment date), in each case, as set forth under the applicable exhibits for each respective Note as set forth in Section 2.3(d) immediately below; *provided*, *however*, that the interest rate payable on any series of Notes hereunder are subject to Section 2.4 of this Thirteenth Supplement Indenture.

- (d) Principal of, premium, interest and additional amounts, if any, on the Notes shall be payable as set forth (i) in the case of the 2026 Notes, Exhibit A-1 and (ii) in the case of the 2029 Notes, Exhibit A-2.
 - (e) Other than as provided in Article Three of this Thirteenth Supplemental Indenture, the Notes shall not be redeemable.
- (f) Except in the event of a Special Mandatory Redemption, the Notes shall not be entitled to the benefit of any mandatory redemption or sinking fund.
 - (g) The Notes shall not be convertible into any other securities.
 - (h) Section 2.7 of the Base Indenture shall apply to the Notes.
- (i) The Issuer initially appoints Elavon Financial Services DAC, UK Branch, as Paying Agent with respect to the Notes until such time as Elavon Financial Services DAC, UK Branch has resigned or a successor has been appointed. Elavon Financial Services DAC, UK Branch shall have all of the rights, privileges, protections and immunities granted to the Trustee in the Indenture *mutatis mutandis*. The Paying Agent is appointed hereunder for the purposes of paying sums due on the Notes referred to in this Section 2.3 of this Thirteenth Supplemental Indenture and otherwise fulfilling its duties and obligations as set out in the Base Indenture and this Thirteenth Supplemental Indenture.
- (j) The Issuer initially appoints U.S. Bank Trust Company, National Association as Registrar and Transfer Agent with respect to the Notes until such time as U.S. Bank Trust Company, National Association has resigned or a successor has been appointed. U.S. Bank Trust Company, National Association shall have all of the rights, privileges, protections and immunities granted to the Trustee in the Indenture *mutatis mutandis*.
- (k) Pursuant to a written instruction from the Issuer, the Trustee hereby appoints U.S. Bank Trust Company, National Association as the Authenticating Agent (the "Authenticating Agent") for the Notes pursuant to Section 2.3 of the Base Indenture. Neither the Trustee nor any agent of the Trustee shall be responsible for any action taken or not taken by the Authenticating Agent. The Authenticating Agent shall have all of the rights, privileges, protections and immunities granted to the Trustee in the Indenture *mutatis mutandis*.
- (l) The Notes (and the notation of Guarantee endorsed thereon) will be issuable in the form of one or more Global Securities and the Common Depositary for such Global Securities will be Elavon Financial Services DAC or another Person designated as Common Depositary for Euroclear and Clearstream or another Person designated as Common Depositary by the Issuer. Neither the Trustee nor any agent of the Trustee shall be responsible for any action taken or not taken by the Common Depositary.
- (m) Subject to clause (n) below, the Issuer shall pay principal of, premium, interest and additional amounts, if any, on the Notes in money of the member states of the European Union that have adopted or that adopt the single currency in accordance with the treaty establishing the European Community, as amended by the Treaty on European Union, that at the time of payment is legal tender for payment of public and private debts.
- (n) Principal of, premium, interest and additional amounts, if any, on the Notes will be payable at the office or agency of the Paying Agent at 125 Old Broad Street, Fifth Floor, London EC2N 1AR, until such time as the Issuer designates an alternate place of payment. If on or after the date of this Thirteenth Supplemental Indenture, the Euro is unavailable to the Issuer due to the imposition of exchange controls or other circumstances beyond the Issuer's control or if the Euro is no longer being used by the then member states of the European Union that have adopted the Euro as their currency or for the settlement of transactions by public institutions of or within the international banking community, then all payments in respect of the Notes will be made in Dollars until the Euro is again available to the Issuer or so used. The amount payable on any date in Euros will be converted into Dollars on the basis of the most recently available market exchange rate for Euro. Any payment in respect of the Notes so made in Dollars will not constitute an Event of Default under the Notes or this Thirteenth Supplemental Indenture. Neither the Trustee nor the Paying Agent shall have any responsibility for any calculation or conversion in connection with the foregoing.

- (o) The Issuer shall, on or before each due date of the principal of, premium, interest and additional amounts, if any, the Notes, deposit with the Paying Agent a sum (in funds which are immediately available on the due date for such payment) sufficient to pay such principal, premium, interest or additional amounts, if any, and (unless such Paying Agent is the Trustee) the Issuer will promptly notify the Trustee in writing of any failure to take such action; provided that if such deposit is made on the due date, such deposit shall be received by the Paying Agent by 10:00 a.m. London time, on such date.
- (p) A Holder may transfer or exchange Notes only in accordance with the Indenture. Upon any transfer or exchange, the Registrar, the Transfer Agent and the Trustee may require a Holder, among other things, to furnish appropriate endorsements or transfer documents. No service charge shall be made for any registration of transfer or exchange, but the Issuer or the Trustee may require the payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in connection therewith. The Issuer is not required to transfer or exchange any Note for a period of 15 days before a selection of Notes to be redeemed or purchased.
- (q) The provisions of Section 2.4 of the Base Indenture, which require the Issuer to maintain a Paying Agent, Registrar and Transfer Agent in the Borough of Manhattan, State of New York with respect to Securities shall not apply to the Notes issued under this Thirteenth Supplemental Indenture.

SECTION 2.4 <u>Interest Rate Adjustment.</u>

- (a) The interest rate payable on any series of Notes will be subject to adjustments from time to time if either Moody's or S&P, or, in either case, any Substitute Rating Agency downgrades (or subsequently upgrades) the rating assigned to the Notes of such series, in the manner described below:
- (b) If the rating from Moody's (or any Substitute Rating Agency therefor) of the Notes of any series is decreased to a rating set forth in the immediately following table, the interest rate on the Notes of such series will increase such that it will equal the interest rate payable on the Notes of such series on the date of their initial issuance, plus the percentage set forth opposite the ratings from the table below, plus any applicable percentage from the immediately following clause (c) of this Section 2.4.

| Moody's Rating* | Percentage |
|-----------------|------------|
| Ba1 | 0.250% |
| Ba2 | 0.500% |
| Ba3 | 0.750% |
| B1 or below | 1.000% |

- * Including the equivalent ratings, in either case of any Substitute Rating Agency or under any successor rating categories of Moody's.
- (c) In addition, if the rating from S&P (or any Substitute Rating Agency therefor) of the Notes of any series is decreased to a rating set forth in the immediately following table, the interest rate on the Notes of such series will increase such that it will equal the interest rate payable on the Notes of such series on the date of their initial issuance, plus the percentage set forth opposite the ratings from the table below, plus any applicable percentage from the immediately preceding clause (b) of this Section 2.4.

| S&P Rating* | Percentage |
|-------------|------------|
| BB+ | 0.250% |
| BB | 0.500% |
| BB- | 0.750% |
| B+ or below | 1.000% |

- * Including the equivalent ratings, in either case of any Substitute Rating Agency or under any successor rating categories of S&P.
- (d) Notwithstanding the foregoing, if at any time the interest rate on the Notes of any series has been adjusted upward and either Moody's or S&P (or, in either case, a Substitute Rating Agency therefor), as the case may be, subsequently increases its rating of the Notes of that series to any of the threshold ratings set forth above, the interest rate on the Notes of that series will be decreased such that the interest rate for the Notes of that series equals the interest rate payable on the Notes of that series on the date of their initial issuance, plus the percentages set forth opposite the ratings from the tables in Section 2.4(b) and (c) above in effect immediately following the increase in rating. If Moody's (or any Substitute Rating Agency therefor) subsequently increases its rating of the Notes of a series to Baa3 or higher (or its respective equivalent, in either case of any Substitute Rating Agency or under any successor rating categories of Moody's) and S&P (or any Substitute Rating Agency therefor) increases its rating to BBB- or higher (or its respective equivalent, in either case of any Substitute Rating Agency or under any successor rating categories of S&P), the interest rate on the Notes of that series will be decreased to the interest rate payable on the Notes of that series on the date of their initial issuance.
- (e) The interest rates on the Notes of any series will permanently cease to be subject to any adjustment described above (notwithstanding any subsequent downgrade in the ratings by either or both Moody's or S&P) if the Notes of such series become rated Baa2 and BBB (or the equivalent of either such rating, in the case of a Substitute Rating Agency) or higher by Moody's and S&P (or, in either case, a Substitute Rating Agency therefor), respectively (or one of these ratings if the Notes are only rated by one Rating Agency). In such case, the interest rate on the Notes of that series will be the interest rate payable on the Notes of that series on the date of their initial issuance.
- (f) Each adjustment required by any decrease or increase in a rating set forth above (or an equivalent rating, in either case of any Substitute Rating Agency or under any successor rating categories of Moody's or S&P, as the case may be), whether occasioned by the action of Moody's or S&P (or, in either case, a Substitute Rating Agency therefor), shall be made independent of any and all other adjustments; *provided, however*, in no event shall (1) the interest rate for the Notes of any series be reduced to below the interest rate payable on the Notes of that series on the date of their initial issuance, or (2) the total increase in the interest rate on the Notes of any series exceed 2.000% above the interest rate payable on the Notes of that series on the date of their initial issuance.

| (g) | Except as provided in this Section 2.4(g) and the immediately following Section 2.4(h), no adjustments in the interest rate of the |
|----------------------------|--|
| Notes of a series shall be | made solely as a result of a Rating Agency ceasing to provide a rating of such series of Notes. If at any time fewer than two rating |
| agencies provide a rating | g of the Notes of a series for any reason beyond the Issuer's control, the Issuer will use its commercially reasonable efforts to obtain a |
| rating of such series of N | lotes from a Substitute Rating Agency, to the extent one exists, and if a Substitute Rating Agency exists, for purposes of determining |
| any increase or decrease | in the interest rate on the Notes of a series pursuant to the tables above: |

- (i) such Substitute Rating Agency will be substituted for the last Rating Agency to provide a rating of such series of such Notes, but which has since ceased to provide such rating;
- (ii) the relative rating scale used by such Substitute Rating Agency to assign ratings to senior unsecured debt will be determined in good faith by an independent investment banking institution of national standing appointed by the Issuer and, for purposes of determining the applicable ratings included in the applicable tables in Section 2.4(b) and (c) above with respect to such Substitute Rating Agency, such ratings will be deemed to be the equivalent ratings used by Moody's or S&P, as applicable, in such table; and
- (iii) the interest rate on the Notes of such series will increase or decrease, as the case may be, such that the interest rate equals the interest rate payable on the Notes of such series on the date of their initial issuance, plus the appropriate percentage, if any, set forth opposite the rating from such Substitute Rating Agency in the applicable table in Section 2.4(b) and (c) above (taking into account the provisions of clause (i) above) (plus any applicable percentage resulting from a decreased rating by the other rating agency).
- (h) For so long as only one Rating Agency provides a rating of the Notes of a series, any subsequent increase or decrease in the interest rate of such series of Notes necessitated by a reduction or increase in the rating by the Rating Agency providing the rating shall be twice the percentage set forth in the applicable table in Section 2.4(b) and (c) above. For so long as none of Moody's, S&P or a Substitute Rating Agency provides a rating of the Notes of a series, the interest rate on the Notes of such series will increase to, or remain at, as the case may be, 2.000% above the interest rate payable on the Notes of such series on the date of their initial issuance. If Moody's or S&P either ceases to rate the Notes of a series for reasons within the Issuer's control or ceases to make a rating of the Notes of such series publicly available for reasons within the Issuer will not be entitled to obtain a rating from a Substitute Rating Agency and the increase or decrease in the interest rate of the Notes of such series shall be determined in the manner described above as if either only one or no Rating Agency provides a rating of the Notes of such series.
- (i) Any interest rate increase or decrease described above will take effect from the first day of the interest period, commencing after the date on which a rating change occurs that requires an adjustment in the interest rate. As such, interest will not accrue at such increased or decreased rate until the next interest payment date following the date on which the rating change occurs. If Moody's, or S&P (or, in either case, a Substitute Rating Agency therefor) changes its rating of the Notes of a series more than once during any particular interest period, the last change by such agency will control for purposes of any interest rate increase or decrease with respect to the Notes of such series described above relating to such Rating Agency's action.
- (j) If the interest rate payable on the Notes of a series is increased as described under this Section 2.4, the term "interest," as used with respect to the Notes of that series, will be deemed to include any such additional interest unless the context otherwise requires. The Trustee or the Paying Agent in no event shall have any obligations whatsoever to determine the interest rate on the Notes or a change in the applicable interest rate.

The interest rate and the amount of interest payable on the Notes of any series will be determined and calculated by the Issuer. For the avoidance of doubt, neither the Trustee nor the Paying Agent shall have any duty to monitor any ratings of the Notes, or to determine if an adjustment to any interest rate is to be made or what an interest rate should be, or make any other determinations or calculations in respect of the interest amounts due on the Notes, or to notify the Holders of any of the foregoing or determine the consequences thereof.

ARTICLE THREE REDEMPTION

SECTION 3.1 Selection of Securities to Be Redeemed.

- (a) If less than all of any series of Notes are to be redeemed or purchased in an offer to purchase at any time, the Registrar will select the Notes for redemption or purchase on a *pro rata* basis subject to the Minimum Denominations requirement as near a *pro rata* or by lot selection as is practicable in accordance with Euroclear and Clearstream guidelines, unless otherwise required by law or applicable stock exchange or depositary requirements.
- (b) In the event of partial redemption or purchase, the particular Notes to be redeemed or purchased will be selected, unless otherwise provided herein, not less than 10 nor more than 60 days prior to the redemption or purchase date by the Registrar from the outstanding Notes of such series not previously called for redemption or purchase.
- (c) The Registrar will promptly notify the Issuer in writing of the Notes selected for redemption or purchase and, in the case of any Note selected for partial redemption or purchase, the principal amount thereof to be redeemed or purchased. No Notes having principal of less than the Minimum Denomination shall be redeemed in part; except that if all of the Notes of a series of a Holder are to be redeemed or purchased, the entire outstanding amount of Notes of such series held by such Holder shall be redeemed or purchased. Except as provided in the preceding sentence, provisions of the Indenture that apply to Notes called for redemption or purchase also apply to portions of Notes called for redemption or purchase.

SECTION 3.2 Optional Redemption.

- (a) Prior to (i) in the case of the 2026 Notes, June 19, 2026 (one month before the maturity date of the 2026 Notes) and (ii) in the case of the 2029 Notes, November 19, 2028 (two months before the maturity date of the 2029 Notes (the applicable date with respect to each of the 2026 Notes and the 2029 Notes, the "<u>Applicable Par Call Date</u>")), the Issuer may redeem such series of Notes, at its option, in whole or in part, at any time and from time to time, at a redemption price (expressed as a percentage of principal amount and rounded to three decimal places) equal to the greater of:
 - (i) the sum of the present values of the remaining scheduled payments of principal and interest (at the rate in effect on the date of calculation of the redemption price) on the Notes to be redeemed that would be due if such Notes matured on the Applicable Par Call Date (exclusive of interest accrued to the date of redemption) discounted to the date of redemption on an annual basis (ACTUAL/ACTUAL (ICMA)) at the Bund Rate plus 50 basis points in the case of the 2026 Notes and 50 basis points, in the case of the 2029 Notes; and
 - (ii) 100% of the principal amount of the Notes of such series to be redeemed,

plus, in either case, accrued and unpaid interest thereon to the applicable redemption date.

(b) On or after the Applicable Par Call Date, the Issuer may redeem any such series of Notes, in whole or in part, at any time and from time to time, at a redemption price equal to 100% of the principal amount of the Notes of such series of Notes being redeemed plus accrued and unpaid interest thereon to the applicable redemption date (subject to the right of Holders of record on the relevant record date to receive interest due on the relevant interest payment date).

The Issuer's actions and determinations in determining the redemption price shall be conclusive and binding for all purposes of this Section 3.2, absent manifest error.

Notices under this Section 3.2 shall be mailed or electronically delivered (or otherwise transmitted in accordance with the Common Depositary's procedures) at least 10 days but not more than 60 days before the redemption date to each Holder of Notes to be redeemed.

Unless the Issuer defaults in payment of the redemption price, on and after the redemption date, interest will cease to accrue on the Notes or portions thereof called for redemption.

Notwithstanding anything in this Section 3.2, the Issuer may acquire the Notes by means other than a redemption, whether by tender offer, open market purchases, negotiated transactions or otherwise, in accordance with applicable securities laws, so long as such acquisition does not otherwise violate the terms of the Indenture.

Notice of any redemption of the Notes in connection with a transaction or an event may, at the Issuer's discretion, be given prior to the completion or the occurrence thereof. Any redemption or notice may, at the Issuer's discretion, be subject to one or more conditions precedent, including, but not limited to, completion or occurrence of a related transaction or event. At the Issuer's discretion, the redemption date may be delayed until such time as any or all such conditions shall be satisfied, or such redemption may not occur and such notice may be rescinded in the event that any or all such conditions shall not have been satisfied by the redemption date, or by the redemption date as so delayed. The Issuer will provide written notice to the Trustee prior to the close of business two Business Days prior to the redemption date if any such redemption has been rescinded or delayed. Upon Trustee's receipt of such notice of the delay of such date of redemption or the rescission of such notice of redemption, such date of redemption shall be automatically delayed or such notice of redemption shall be automatically rescinded, as applicable, and the redemption of the Notes shall be automatically delayed or rescinded and cancelled, as applicable, as provided in such notice.

SECTION 3.3 Special Mandatory Redemption.

- (a) In the event that (i) the M&M Acquisition is not consummated on or prior to August 17, 2023, or such later date as the parties to the Transaction Agreement may agree as the "Outside Date" thereunder, or (ii) the Transaction Agreement is terminated without the M&M Acquisition being consummated (any such event being a "Special Mandatory Redemption Event"), the Issuer will redeem (the "Special Mandatory Redemption") all of the outstanding 2026 Notes and 2029 Notes at a redemption price equal to 101% of the aggregate principal amount of such Notes, respectively, plus accrued and unpaid interest, if any, to (but excluding) the redemption date (the "Special Mandatory Redemption Price"). For purposes of the foregoing, the M&M Acquisition will be deemed consummated if the closing under the Transaction Agreement occurs, including after giving effect to any amendments to the Transaction Agreement or waivers thereunder acceptable to the Issuer.
- (b) Notice of the occurrence of a Special Mandatory Redemption Event and that a Special Mandatory Redemption is to occur (the "Special Mandatory Redemption Notice") will be delivered to the Trustee and delivered to Holders of Notes according to the procedures of the Common Depositary within 10 Business Days after the Special Mandatory Redemption Event. At the Issuer's written request, the Trustee shall give the Special Mandatory Redemption Notice in the name and at the expense of the Issuer. On the redemption date specified in the Special Mandatory Redemption Notice, which shall be no more than 10 Business Days (or such other minimum period as may be required by the Common Depositary) after mailing or sending the Special Mandatory Redemption Notice, the special mandatory redemption shall occur (the date of such redemption, the "Special Mandatory Redemption Date"). If funds sufficient to pay the Special Mandatory Redemption Price of all of each series of the Notes subject to such Special Mandatory Redemption then outstanding on the Special Mandatory Redemption Date are deposited with a paying agent or the Trustee on or before such Special Mandatory Redemption Date, then on and after such Special Mandatory Redemption Date, the Notes of such series shall cease to bear interest and, other than the right to receive the Special Mandatory Redemption Price, all rights under the Notes of such series shall terminate.
 - (c) Upon the consummation of the M&M Acquisition, the foregoing clauses (a) and (b) of this Section 3.3 will cease to apply.

SECTION 3.4 Redemption for Tax Reasons.

If, as a result of any change in, or amendment to, the laws (or any regulations or rulings promulgated under the laws) of the United States, or any change in, or amendments to, an official position regarding the application or interpretation of such laws, regulations or rulings (including by virtue of a holding, judgment or order by a court of competent jurisdiction or a change in published administrative practice), which change or amendment is announced and becomes effective after the date of this Thirteenth Supplemental Indenture, the Issuer becomes or will become obligated to pay additional amounts as described in Section 4.6 hereof with respect to the Notes, then the Issuer may, at any time at its option, redeem, in whole, but not in part, the Notes on not less than 15 nor more than 60 days prior notice to the Holders, at a redemption price equal to 100% of their principal amount, together with accrued and unpaid interest and additional amounts, if any, on the Notes being redeemed to, but excluding, the redemption date (subject to the rights of holders of record on the relevant record date to receive interest due on the relevant interest date and additional amounts, if any, in respect thereof) and all additional amounts, if any, then due and which will become due on the redemption date as a result of the redemption or otherwise; provided, however, that the notice of redemption shall not be given earlier than 90 days before the earliest date on which the Issuer would be obligated to pay such additional amounts if a payment in respect of the Notes were then due and unless at the time such notice is given such obligation to pay additional amounts remains in effect (or will be in effect at the time of such redemption). Prior to any such notice of redemption, the Issuer will deliver to the Trustee (a) an Officers' Certificate stating that it is entitled to effect such redemption and that the obligation to pay additional amounts cannot be avoided by taking reasonable measures available to it and (b) an Opinion of Counsel to the effect that the Issuer has been or will become obligated to pay additional amounts. The Trustee and Paying Agent will accept and will be entitled to conclusively rely upon the Officers' Certificate and Opinion of Counsel as sufficient evidence of the satisfaction of the conditions precedent described above for the Issuer to exercise its right to redeem the Notes, which determination will be conclusive and binding on the Holders.

SECTION 3.5 <u>Deposit of Redemption Price.</u>

Prior to 10:00 a.m. (London time) on the redemption date or purchase date (including any purchase pursuant to Section 4.5), the Issuer shall deposit with the Trustee or with the Paying Agent money sufficient to pay the redemption or purchase price of and accrued and unpaid interest and additional amounts, if any, and premium, if any, on all Notes to be redeemed or purchased on that date.

SECTION 3.6 Redemption Procedures.

Except as provided in this Article Three, the provisions of Article III of the Base Indenture shall apply in the case of a redemption pursuant to this Article Three.

ARTICLE FOUR COVENANTS

Holders of the Notes shall be entitled to the benefit of all covenants in Article IV of the Base Indenture and the following additional covenants, which shall be deemed to be provisions of the Base Indenture with respect to the Notes; *provided* that this Article Four shall not become a part of the terms of any other series of Securities:

SECTION 4.1 Liens.

The Issuer will not, and will not permit any Subsidiary to, create, incur, issue, assume or guarantee any Indebtedness secured by a Lien (other than Permitted Liens) upon any Principal Property or Capital Stock of any Subsidiary that directly owns any Principal Property without in any such case making or causing to be made effective provision whereby the Notes (together with, if the Issuer shall so determine, any other Indebtedness of the Issuer or such Subsidiary then existing or thereafter created which is not subordinate to the Notes) shall be secured equally and ratably with (or prior to) such Indebtedness, so long as such Indebtedness shall be so secured, unless after giving effect thereto, the aggregate amount (without duplication) of all such Indebtedness plus all Attributable Debt of the Issuer and its Subsidiaries in respect of any Sale and Leaseback Transaction would not exceed 15% of Consolidated Net Tangible Assets.

SECTION 4.2 <u>Sale / Leaseback Transactions.</u>

The Issuer will not, and will not permit any of its Subsidiaries to, enter into any Sale and Lease-Back Transaction with respect to any Principal Property unless,

(a) the Issuer or such Subsidiary would be entitled to create, incur, issue, assume or guarantee Indebtedness secured by a Lien pursuant to Section 4.1 on the Principal Property to be leased in an amount equal to the Attributable Debt with respect to such Sale and Leaseback Transaction without equally and ratably securing the Notes;

- (b) the Issuer or such Subsidiary shall apply, within 180 days of the effective date of any such arrangement, an amount not less than the greater of (i) the net proceeds of the sale of such Principal Property or (ii) the fair market value (as determined by the Board of Directors) of such Principal Property to either the prepayment or retirement (other than any mandatory prepayment or retirement) of Indebtedness incurred or assumed by the Issuer or such Subsidiary (other than Indebtedness owned by Issuer or any of its Subsidiaries) which by its terms matures at or is extendible or renewable at the option of the obligor to a date more than twelve months after the date of the creation of such Indebtedness, or to the acquisition, construction or improvement of a manufacturing plant or manufacturing facility; or
- (c) the Attributable Debt of the Issuer or such Subsidiary in respect of such Sale and Lease-Back Transaction and all other Sale and Lease-Back Transactions entered into after the Issue Date (other than any such Sale and Lease-Back Transaction as would be permitted as described in clauses (a) and (b) of this covenant, plus the aggregate principal amount of Indebtedness secured by Liens then outstanding (not including any such Indebtedness secured by Permitted Liens) which do not equally and ratably secure the Notes (or secure the Notes on a basis that is prior to other Indebtedness secured thereby) would not exceed 15% of Consolidated Net Tangible Assets.

SECTION 4.3 Additional Guarantees.

After the Issue Date, the Issuer shall cause each Subsidiary that guarantees any Indebtedness of the Issuer or any of the Guarantors under the Credit Agreements, in each case, substantially at the same time, to execute and deliver to the Trustee a Guarantee pursuant to which such Subsidiary will unconditionally Guarantee, on a joint and several basis, the full and prompt payment of the principal of, premium, interest and additional amounts, if any, on the Notes and all other obligations under the Indenture on the same terms and conditions as those set forth in the Indenture.

SECTION 4.4 Reports.

Whether or not required by the Commission, so long as any Notes are outstanding, the Issuer shall electronically file with the Commission by the respective dates specified in the Commission's rules and regulations (the "Required Filing Date"), unless, in any such case, such filings are not then permitted by the Commission:

- (a) all quarterly and annual financial information that would be required to be contained in a filing with the Commission on Forms 10-Q and 10-K if the Issuer were required to file such Forms, including a "Management's Discussion and Analysis of Financial Condition and Results of Operations" and, with respect to the annual information only, a report on the annual financial statements by the Issuer's certified independent accountants; and
- (b) all current reports that would be required to be filed with the Commission on Form 8-K if the Issuer were required to file such reports;

If such filings with the Commission are not then permitted by the Commission, or such filings are not generally available on the Internet free of charge, the Issuer shall, within 15 days of each Required Filing Date, transmit by mail (or, when the Notes are in the form of Global Securities, send pursuant to the applicable procedures of the Common Depositary) to Holders of the Notes, as their names and addresses appear in the Note register, without cost to such Holders of the Notes, and file with the Trustee copies of the information or reports that the Issuer would be required to file with the Commission pursuant to the first paragraph of this Section 4.4 if such filing were then permitted.

So long as the Parent Guarantor complies with the requirements of Rules 3-10 and 13-01 of Regulation S-X promulgated by the Commission (or any successor provision), the reports, information and other documents required to be filed and furnished to Holders of the Notes pursuant to this Section 4.4 may, at the option of the Issuer, be filed by and be those of the Parent Guarantor rather than the Issuer.

The availability of the foregoing reports on the Commission's EDGAR service (or successor thereto) shall be deemed to satisfy the Issuer's delivery obligations to the Trustee and Holders.

Delivery of such reports, information and documents to the Trustee is for informational purposes only, and the Trustee's receipt of such shall not constitute actual or constructive knowledge or notice of any information contained therein or determinable from information contained therein, including the Issuer's compliance with any of its covenants hereunder (as to which the Trustee is entitled to rely exclusively on Officers' Certificates). The Trustee shall have no duty to monitor or confirm, on a continuing basis or otherwise, the Issuer's or any other person's compliance with any of the covenants under the Indenture, to determine whether the Issuer posts reports, information or documents on the SEC's website (including via the EDGAR filing system), the Issuer's (or Parent Guarantor's) website or otherwise, to collect any such information from the SEC's website (including via the EDGAR filing system), the Issuer's (or Parent Guarantor's) website or otherwise, or to review or analyze reports delivered to it to ensure compliance with the provisions of the Indenture, to ascertain the correctness or otherwise of the information or the statements contained therein or to participate in any conference calls.

SECTION 4.5 Change of Control Event.

- (a) If a Change of Control Event occurs, each Holder will have the right to require the Issuer to repurchase all or any part (equal to €100,000 or an integral multiple of €1,000 in excess thereof) of that Holder's Notes pursuant to a Change of Control Offer on the terms set forth in the Indenture. In the Change of Control Offer, the Issuer shall offer to purchase such Notes at a purchase price in cash (the "Change of Control Payment") equal to 101% of the aggregate principal amount of Notes repurchased plus accrued and unpaid interest and additional amounts, if any, on the Notes repurchased, to the date of purchase (subject to the right of Holders of record on the relevant record date to receive interest due on the relevant interest payment date).
- (b) Within 30 days following any Change of Control Event, the Issuer will send a notice to each Holder describing the transaction or transactions that constitute the Change of Control and offering (the "<u>Change of Control Offer</u>") to repurchase Notes on the date specified in the notice (the "<u>Change of Control Payment Date</u>"), which date will be no earlier than 30 days and no later than 60 days from the date such notice is sent, pursuant to the procedures required by the Indenture and described in such notice. Such notice shall state:
 - (i) that a Change of Control Event has occurred and that such Holder has the right to require the Issuer to purchase all or a portion of such Holder's Notes at a purchase price in cash equal to 101% of the principal amount thereof, plus accrued and unpaid interest and additional amounts, if any, to the date of purchase (subject to the right of the Holders of record on the relevant record date to receive interest on the relevant interest payment date);
 - (ii) the circumstances and relevant facts and financial information regarding such Change of Control Event;

- (iii) the Change of Control Payment Date; and
- (iv) the instructions determined by the Issuer, consistent with this Section 4.5, that a Holder must follow in order to have its Notes purchased.
- (c) Holders electing to have a Note purchased shall be required to surrender the Note, with an appropriate form duly completed, to the Issuer at the address specified in the notice at least three Business Days prior to the Change of Control Purchase Date. The Holders shall be entitled to withdraw their election if the Trustee or the Issuer receives not later than one Business Day prior to the Change of Control Purchase Date a facsimile transmission or letter setting forth the name of the Holder, the principal amount of the Note which was delivered for purchase by the Holder and a statement that such Holder is withdrawing his election to have such Note purchased. Holders whose Notes are purchased only in part shall be issued new Notes equal in principal amount to the unpurchased portion of the Notes surrendered.
 - (d) On the Change of Control Payment Date, the Issuer will, to the extent lawful:
 - (i) accept for payment all Notes or portions of Notes properly tendered pursuant to the Change of Control Offer;
 - (ii) deposit with the Paying Agent an amount equal to the Change of Control Payment in respect of all Notes or portions of Notes properly tendered; and
 - (iii) deliver or cause to be delivered to the Trustee the Notes properly accepted together with an Officers' Certificate stating the aggregate principal amount of Notes or portions of Notes being purchased by the Issuer.
- (e) On the Change of Control Purchase Date all Notes purchased by the Issuer under this Section 4.5 shall be delivered to the Trustee for cancellation, and the Issuer shall pay the Change of Control Payment to the Holders entitled thereto.
- (f) The Paying Agent will promptly distribute to each Holder of Notes properly tendered the Change of Control Payment for such Notes, and, upon receipt of a Company Order, the Authenticating Agent will promptly authenticate and mail (or cause to be transferred by book entry) to each Holder a new Note equal in principal amount to any unpurchased portion of the Notes surrendered, if any; *provided* that each new Note will be in a principal amount of $\in 100,000$ or an integral multiple of $\in 1,000$ in excess thereof.
- (g) The Issuer shall not be required to make a Change of Control Offer upon a Change of Control Event if (i) a third party makes the Change of Control Offer in the manner, at the times and otherwise in compliance with the requirements set forth in this Section 4.5 applicable to a Change of Control Offer made by the Issuer and purchases all Notes properly tendered and not withdrawn under the Change of Control Offer or (ii) notice of redemption has been given pursuant to the Indenture as described above under Section 3.2, unless and until there is a default in the payment of the applicable redemption price. Notwithstanding anything to the contrary contained herein, a Change of Control Offer may be made in advance of a Change of Control Event or conditional upon the occurrence of a Change of Control Event, if a definitive agreement is in place for the Change of Control at the time the Change of Control Offer is made and such Change of Control Offer is otherwise made in compliance with the provisions of this Section 4.5.

(h) The Issuer shall comply with the requirements of Section 14e–1 of the Exchange Act and any other securities laws or regulations in connection with the repurchase of Notes pursuant to this Section 4.5 to the extent those laws and regulations are applicable in connection with the repurchase of the Notes as a result of a Change of Control. To the extent that the provisions of any securities laws or regulations conflict with provisions of this Section 4.5, the Issuer shall comply with the applicable securities laws and regulations and shall not be deemed to have breached its obligations under this Section 4.5 by virtue thereof.

SECTION 4.6 Payment of Additional Amounts.

All payments by the Issuer or any Guarantor on the Notes or any Guarantee will be made free and clear of and without withholding or deduction for or on account of any present or future tax, assessment or other governmental charges and any penalties, interest or additions to tax with respect thereto (each a "tax") imposed by the United States, unless the withholding or deduction of such taxes is required by law or the official interpretation or administration thereof. If any taxes imposed by the United States are required to be withheld or deducted in respect of any payment made under or with respect to the Notes or any Guarantee, the Issuer or applicable Guarantor will, subject to the exceptions and limitations set forth below, pay additional amounts (the "additional amounts") as are necessary in order that the net amounts received in respect of such payments by each Beneficial Owner who is not a United States Person, after such withholding or deduction by any applicable withholding agent (including any withholding or deduction in respect of such additional amounts) will equal the amounts which would have been received in respect of such payments on any Note or Guarantee in the absence of such withholding or deduction; provided, however, that the foregoing obligation to pay additional amounts shall not apply:

- (a) to any tax to the extent such tax is imposed by reason of the Holder (or the Beneficial Owner for whose benefit such Holder holds such note), or a fiduciary, settlor, beneficiary, member or stockholder of the Holder if the Holder is an estate, trust, partnership or corporation, or a person holding a power over an estate or trust administered by a fiduciary holder, being considered as:
 - (i) being or having been engaged in a trade or business in the United States or having or having had a permanent establishment in the United States;
 - (ii) having or having had any other connection with the United States (other than a connection arising solely as a result of the ownership of such Notes, the receipt of any payment or the enforcement of any rights under the Notes or any Guarantee), including being or having been a citizen or resident of the United States;
 - (iii) being or having been a personal holding company, a passive foreign investment company or a controlled foreign corporation for United States federal income tax purposes or a corporation that has accumulated earnings to avoid United States federal income tax;
 - (iv) being or having been a "10-percent shareholder" of the Parent Guarantor as defined in section 871(h)(3) of the United States Internal Revenue Code of 1986, as amended (the "Code"); or
 - (v) being or having been a bank receiving payments on an extension of credit made pursuant to a loan agreement entered into in the ordinary course of its trade or business, as described in section 881(c)(3)(A) of the Code or any successor provisions;
- (b) to any Holder that is not the sole Beneficial Owner of such Notes, or a portion of such Notes, or that is a fiduciary, partnership or limited liability company, but only to the extent that a Beneficial Owner with respect to the Holder, a beneficiary or settlor with respect to the fiduciary, or a Beneficial Owner or member of the partnership or limited liability company would not have been entitled to the payment of an additional amount had the beneficiary, settlor, Beneficial Owner or member received directly its beneficial or distributive share of the payment;

- (c) to any tax to the extent such tax would not have been imposed but for the failure of the Holder or the Beneficial Owner to comply with certification, identification or other information reporting requirements concerning the nationality, residence, identity or connection with the United States of the Holder or Beneficial Owner of such Notes, if compliance is required by statute, by regulation of the United States or any taxing authority therein or by an applicable income tax treaty to which the United States is a party as a precondition to exemption from, or reduction of, such tax, but only to the extent that the Holder or Beneficial Owner is legally eligible to provide such certification or other evidence;
 - (d) to any tax that is imposed otherwise than by withholding or deduction in respect of a payment on the Notes or any Guarantee;
 - (e) to any estate, inheritance, gift, sales, transfer, wealth or similar tax;
- (f) to any withholding or deduction that is imposed on a payment to a Holder or Beneficial Owner and that is required to be made pursuant to any law implementing or complying with, or introduced in order to conform to, any European Union Directive on the taxation of savings;
- (g) to any tax required to be withheld by any paying agent from any payment of principal of or interest on any note, if such payment can be made without such withholding by at least one other paying agent;
- (h) to any tax to the extent such tax would not have been imposed or levied but for the presentation by the Holder or Beneficial Owner of any Note, where presentation is required, for payment on a date more than 30 days after the date on which payment became due and payable or the date on which payment thereof is duly provided for, whichever occurs later;
- (i) to any tax to the extent such tax is imposed or withheld solely by reason of the Beneficial Owner being a bank (i) purchasing such Notes in the ordinary course of its lending business or (ii) that is neither (1) buying such Notes for investment purposes only nor (2) buying such Notes for resale to a third-party that either is not a bank or holding such Notes for investment purposes only;
- (j) to any tax imposed under sections 1471 through 1474 of the Code as of the issue date (or any amended or successor provision that is substantively comparable and not materially more onerous to comply with), any current or future regulations or official interpretations thereof, any agreement entered into pursuant to current section 1471(b) of the Code (or any amended or successor version described above) or any fiscal or regulatory legislation, rules or practices adopted pursuant to any intergovernmental agreement (or related laws or official administrative practices) implementing the foregoing; or
 - (k) in the case of any combination of clauses (a) through (j) of this Section 4.6.

The Notes are subject in all cases to any tax, fiscal or other law or regulation or administrative or judicial interpretation applicable to the Notes. Except as specifically provided under this Section 4.6, the Issuer (or any Guarantor, if applicable) will not be required to make any payment for any tax imposed by any government or a political subdivision or taxing authority of or in any government or political subdivision.

The Issuer or applicable Guarantor shall use reasonable efforts to obtain certified copies of tax receipts evidencing the payment of any taxes so deducted or withheld, or other evidence, and shall provide such copies or other evidence to the Trustee. The Trustee shall not be obligated to inquire as to the veracity of such receipt or other evidence.

The foregoing obligations will survive any termination, defeasance or discharge of the Indenture and will apply *mutatis mutandis* to any successor to the Issuer or any Guarantor.

ARTICLE FIVE MERGER, CONSOLIDATION OR SALE OF ASSETS

With respect to the Notes, the following shall supersede the provisions of Article V of the Base Indenture; *provided* that the terms of this Article Five shall not become a part of the terms of any other series of Securities.

SECTION 5.1 <u>Consolidation, Merger and Sale of Assets of the Issuer.</u>

- (a) The Issuer may not, directly or indirectly: (i) consolidate or merge with or into or wind up into another Person (whether or not the Issuer is the surviving Person); or (ii) sell, assign, transfer, convey or otherwise dispose of all or substantially all of its properties or assets, in one or more related transactions, to another Person; unless:
 - either: (A) the Issuer is the surviving Person; or (B) the Person formed by or surviving any such consolidation or merger (if other than the Issuer) or to which such sale, assignment, transfer, conveyance or other disposition has been made is a corporation, limited liability company or limited partnership organized or existing under the laws of the jurisdiction of organization of the Issuer or the United States, any state of the United States or the District of Columbia (the Issuer or such Person, as the case may be, hereinafter referred to as the "Successor Company");
 - (2) the Successor Company (if other than the Issuer) expressly assumes all the obligations of the Issuer under the Notes and the Indenture pursuant to agreements reasonably satisfactory to the Trustee;
 - (3) immediately after such transaction no Default or Event of Default exists;
 - (4) each Guarantor, unless it is the other party to the transactions described above, in which case clause (2) shall apply, shall have confirmed in writing that its Guarantee shall apply to such Person's obligations under the Notes and the Indenture; and
 - (5) the Issuer shall have delivered to the Trustee an Officers' Certificate and an Opinion of Counsel, each stating that such consolidation, merger or transfer and such amendment or supplement (if any) comply with the Indenture.

The Successor Company shall succeed to, and be substituted for, the Issuer under the Indenture and the Notes. Notwithstanding the foregoing clause (3), (A) any Subsidiary may consolidate with, merge into or transfer all or part of its properties and assets to the Issuer or to another Subsidiary and (B) the Issuer may merge with an Affiliate incorporated solely for the purpose of reincorporating the Issuer in a (or another) state of the United States, so long as the amount of Indebtedness of the Issuer and its Subsidiaries is not increased thereby.

SECTION 5.2 Consolidation, Merger and Sale of Assets by a Guarantor.

- (a) Subject to the provisions described under Section 6.4(a), no Guarantor shall consolidate or merge with or into or wind up into (whether or not such Guarantor is the surviving Person), or sell, assign, transfer, lease, convey or otherwise dispose of all or substantially all of its properties or assets in one or more related transactions to, any Person, unless:
 - (i) such Guarantor is the surviving Person or the Person formed by or surviving any such consolidation or merger (if other than such Guarantor) or to which such sale, assignment, transfer, lease, conveyance or other disposition will have been made is a corporation, limited liability company or limited partnership organized or existing under the laws of the United States, any state thereof or the District of Columbia (such Guarantor or such Person, as the case may be, being herein called the "Successor Guarantor");
 - (ii) the Successor Guarantor (if other than such Guarantor) expressly assumes all the obligations of such Guarantor under the Indenture pursuant to supplemental indentures or other documents or instruments in form reasonably satisfactory to the Trustee;
 - (iii) immediately after such transaction no Default or Event of Default exists; and
 - (iv) the Issuer shall have delivered to the Trustee an Officers' Certificate and an Opinion of Counsel, each stating that such consolidation, merger or transfer and such amendment or supplement (if any) comply with the Indenture.

The Successor Guarantor will succeed to, and be substituted for, such Guarantor under the Indenture. Notwithstanding the foregoing, (1) a Guarantor may merge with an Affiliate incorporated solely for the purpose of reincorporating such Guarantor in another state of the United States or the District of Columbia, so long as the amount of Indebtedness of the Guarantor is not increased thereby, (2) any Guarantor may merge into or transfer all or part of its properties and assets to the Issuer or another Guarantor and (3) a transfer of assets or Capital Stock of any Guarantor shall be permitted (including all or substantially all the assets of any Guarantor). Notwithstanding anything to the contrary herein, except as expressly permitted under the Indenture no Guarantor shall be permitted to consolidate with, merge into or transfer all or part of its properties and assets to the Parent Guarantor.

ARTICLE SIX GUARANTEE OF NOTES

SECTION 6.1 Guarantee.

Subject to the provisions of this Article Six, each Guarantor, by execution of this Thirteenth Supplemental Indenture, jointly and severally, unconditionally guarantees to each Holder (a) the due and punctual payment of the principal of, premium, interest and additional amounts, if any, on each Note, when and as the same shall become due and payable, whether at maturity, by acceleration or otherwise, the due and punctual payment of interest on the overdue principal of, premium, if any, and, to the extent permitted by law, interest and additional amounts, if any, on the Notes, to the extent lawful, and the due and punctual payment of all other Obligations and due and punctual performance of all obligations of the Issuer to the Holders or the Trustee all in accordance with the terms of such Note and the Indenture, and (b) in the case of any extension of time of payment or renewal of any Notes or any of such other Obligations, that the same will be promptly paid in full when due or performed in accordance with the terms of the extension or renewal, at stated maturity, by acceleration or otherwise. Each Guarantor, by execution of this Thirteenth Supplemental Indenture, agrees that its obligations hereunder shall be absolute and unconditional, irrespective of, and shall be unaffected by, any invalidity, irregularity or unenforceability of any such Note or the Indenture, any failure to enforce the provisions of any such Note or the Indenture, any waiver, modification or indulgence granted to the Issuer with respect thereto by the Holder of such Note, or any other circumstances which may otherwise constitute a legal or equitable discharge of a surety or such Guarantor.

Each Guarantor hereby waives diligence, presentment, demand for payment, filing of claims with a court in the event of insolvency or bankruptcy of the Issuer, any right to require a proceeding first against the Issuer, protest or notice with respect to any such Note or the Indebtedness evidenced thereby and all demands whatsoever, and covenants that this Guarantee will not be discharged as to any such Note except by payment in full of the principal thereof, interest and additional amounts, if any, thereon. Each Guarantor hereby agrees that, as between such Guarantor, on the one hand, and the Holders and the Trustee, on the other hand, (a) subject to this Article Six, the maturity of the Obligations guaranteed hereby may be accelerated as provided in Article Seven for the purposes of this Guarantee, notwithstanding any stay, injunction or other prohibition preventing such acceleration in respect of the Obligations guaranteed hereby, and (b) in the event of any declaration of acceleration of such Obligations as provided in Article Seven, such Obligations (whether or not due and payable) shall forthwith become due and payable by each Guarantor for the purpose of this Guarantee.

SECTION 6.2 <u>Execution and Delivery of Notation of Guarantee.</u>

To further evidence the Guarantee set forth in Section 6.1, each Guarantor hereby agrees that a notation of such Guarantee, substantially in the form included in Exhibit B hereto, shall be endorsed on each Note authenticated and delivered by the Trustee and such Guarantee shall be executed by either manual or facsimile signature of an Officer or an Officer of a general partner, as the case may be, of each Guarantor. The validity and enforceability of any Guarantee shall not be affected by the fact that it is not affixed to any particular Note.

Each Guarantor hereby agrees that its Guarantee set forth in Section 6.1 shall remain in full force and effect notwithstanding any failure to endorse on each Note a notation of such Guarantee.

If an Officer of a Guarantor whose signature is on the Indenture or a Guarantee no longer holds that office at the time the Trustee authenticates the Note on which such Guarantee is endorsed or at any time thereafter, such Guarantee of such Note shall be valid nevertheless.

The delivery of any Note by the Trustee, after the authentication thereof hereunder, shall constitute due delivery of any Guarantee set forth in the Indenture on behalf of each Guarantor.

SECTION 6.3 Limitation of Guarantee.

Each Guarantor, and by its acceptance of the Notes, each Holder, hereby confirms that it is the intention of all such parties that the Guarantee of such Guarantor not constitute a fraudulent transfer or conveyance for purposes of any Bankruptcy Law, the Uniform Fraudulent Conveyance Act, the Uniform Fraudulent Transfer Act or any similar federal or state law to the extent applicable to any Guarantee. To effectuate the foregoing intention, the Trustee, the Holders and the Guarantors hereby irrevocably agree that the obligations of each Guarantor are limited to the maximum amount as will, after giving effect to all other contingent and fixed liabilities of such Guarantor and after giving effect to any collections from or payments made by or on behalf of any other Guarantor in respect of the obligations of such other Guarantor under its Guarantee or pursuant to its contribution obligations under the Indenture, result in the obligations of such Guarantor under its Guarantee not constituting a fraudulent conveyance or fraudulent transfer under federal or state law. Each Guarantor that makes a payment or distribution under a Guarantee shall be entitled to a contribution from each other Guarantor in a pro rata amount based on the assets of each Guarantor.

SECTION 6.4 Release of Guarantor.

- (a) A Guarantor (other than a company that is a direct or indirect Parent of the Issuer except in the case of clause (i)(2) or (4) below) shall be automatically and unconditionally released and discharged from all of its obligations under its Guarantee if:
 - (i) (1) all of its assets or Capital Stock is sold or transferred,
 - (2) the Guarantor merges with or into, or consolidates with or amalgamates with, or transfers all or substantially all of its assets to, another Person in compliance with Article Five,
 - (3) such Guarantor ceases to be a Subsidiary of the Issuer in connection with any (direct or indirect) sale of Capital Stock or other transaction, or
 - (4) the Notes are subject to legal defeasance or the Indenture is satisfied and discharged as provided under Article VIII of the Base Indenture; or
 - (5) such Guarantor is released from its guarantee of the Credit Agreements; and
 - (ii) such Guarantor ceases to, or substantially contemporaneously with the release of such Guarantor's obligation under its Guarantee hereunder will cease to, or at such time does not, guarantee the Issuer's obligations under the Credit Agreements; and
 - (iii) such Guarantor has delivered to the Trustee an Officers' Certificate and an Opinion of Counsel, each stating that all conditions precedent herein provided for relating to such transaction have been complied with; and
- (b) The Trustee shall execute any documents reasonably requested by the Issuer or a Guarantor in order to evidence the release of such Guarantor from its obligations under its Guarantee endorsed on the Notes and under this Article Six upon receipt of an Officers' Certificate and an Opinion of Counsel to the effect that such release is permitted by the Indenture.

SECTION 6.5 Waiver of Subrogation.

Each Guarantor hereby irrevocably waives any claim or other rights which it may now or hereafter acquire against the Issuer that arise from the existence, payment, performance or enforcement of such Guarantor's obligations under its Guarantee and the Indenture, including, without limitation, any right of subrogation, reimbursement, exoneration, indemnification, and any right to participate in any claim or remedy of any Holder of Notes against the Issuer, whether or not such claim, remedy or right arises in equity, or under contract, statute or common law, including, without limitation, the right to take or receive from the Issuer, directly or indirectly, in cash or other property or by set-off or in any other manner, payment or security on account of such claim or other rights. If any amount shall be paid to any Guarantor in violation of the preceding sentence and the Notes shall not have been paid in full, such amount shall have been deemed to have been paid to such Guarantor for the benefit of, and held in trust for the benefit of, the Holders, and shall forthwith be paid to the Trustee for the benefit of such Holders to be credited and applied upon the Notes, whether matured or unmatured, in accordance with the terms of the Indenture. Each Guarantor acknowledges that it will receive direct and indirect benefits from the financing arrangements contemplated by the Indenture and that the waiver set forth in this Section 6.5 is knowingly made in contemplation of such benefits.

ARTICLE SEVEN EVENTS OF DEFAULT

SECTION 7.1 Events of Default.

(a) With respect to the Notes, Section 6.1 of the Base Indenture shall be replaced in its entirety with the following, which shall be deemed to be provisions of the Base Indenture with respect to the Notes; *provided* that the terms of this Article Seven shall not become a part of the terms of any other series of Securities:

An "Event of Default" occurs if:

- (a) the Issuer defaults in payment when due and payable, upon redemption (including a Special Mandatory Redemption), acceleration or otherwise, of principal of, or premium, if any, on the Notes;
- (b) the Issuer defaults in the payment when due of interest or additional amounts, if any, on or with respect to the Notes and such default continues for a period of 30 days;
- (c) the Issuer defaults in the performance of, or breaches any covenant, warranty or other agreement contained in the Indenture (other than a default in the performance or breach of a covenant, warranty or agreement which is specifically dealt with in clauses (a) or (b) above) and such default or breach continues for a period of 60 days after the notice specified below;
- Indebtedness for money borrowed by the Issuer or any Subsidiary Guarantor (other than Indebtedness under a Qualified Securitization Financing) or the payment of which is guaranteed by the Issuer or any Subsidiary Guarantor (other than Indebtedness under a Qualified Securitization Financing) (other than Indebtedness owed to the Issuer or a Subsidiary), whether such Indebtedness or guarantee now exists or is created after the Issue Date, if (i) such default either (1) results from the failure to pay any such Indebtedness at its stated final maturity (after giving effect to any applicable grace periods) or (2) relates to an obligation other than the obligation to pay principal of any such Indebtedness at its stated final maturity and results in the holder or holders of such Indebtedness causing such Indebtedness to become due prior to its stated maturity and (ii) the principal amount of such Indebtedness, together with the principal amount of any other such Indebtedness in default for failure to pay principal at stated final maturity (after giving effect to any applicable grace periods), or the maturity of which has been so accelerated, aggregate \$100.0 million or more at any one time outstanding; or

- (e) the Issuer or any Guarantor that is a Significant Subsidiary pursuant to or within the meaning of any Bankruptcy Law:
 - (i) commences a voluntary case;
 - (ii) consents to the entry of an order for relief against it in an involuntary case;
 - (iii) consents to the appointment of a Custodian of it or for any substantial part of its property; or
- (iv) makes a general assignment for the benefit of its creditors or takes any comparable action under any foreign laws relating to insolvency;
 - (f) a court of competent jurisdiction enters an order or decree under any Bankruptcy Law that:
 - (i) is for relief against the Issuer or any Significant Subsidiary in an involuntary case;
 - (ii) appoints a Custodian of the Issuer or any Significant Subsidiary or for any substantial part of its property;
 - (iii) orders the winding up or liquidation of the Issuer or any Significant Subsidiary; or
 - (iv) or any similar relief is granted under any foreign laws and the order or decree remains unstayed and in effect for 60 days; or
- (g) any Guarantee of a Significant Subsidiary fails to be in full force and effect (except as contemplated by the terms thereof) or any Guarantor (other than the Parent Guarantor) denies or disaffirms its obligations under its Guarantee and such Default continues for 10 days.

The foregoing shall constitute Events of Default whatever the reason for any such Event of Default and whether it is voluntary or involuntary or is effected by operation of law or pursuant to any judgment, decree or order of any court or any order, rule or regulation of any administrative or governmental body.

The term "Bankruptcy Law" means Title 11, United States Code, or any similar Federal, state or, so long as the Issuer is domiciled in Luxembourg, Luxembourg law, in each case for the relief of debtors. The term "Custodian" means any receiver, trustee, assignee, liquidator, custodian or similar official under any Bankruptcy Law.

- (b) Within 30 days after the Issuer has actual knowledge of any Default or Event of Default, the Issuer is required to deliver to the Trustee an Officers' Certificate specifying the Default or Event of Default, its status and what action the Issuer is taking or proposes to take in respect thereof.
- (c) With respect to the Notes, Section 6.2 of the Base Indenture shall be amended such that all references to "Section 6.1(d) or (e)" are references to "Section 6.1(f) or (g)", which references shall be deemed to be provisions of the Base Indenture with respect to the Notes; provided that the terms of this Article Seven shall not become a part of the terms of any other series of Securities:

(d) In the event of any Event of Default specified in Section 6.1(d) of the Base Indenture, such Event of Default and all consequences thereof (excluding, however, any resulting payment default) shall be annulled, waived and rescinded, automatically and without any action by the Trustee or the Holders of the Notes, if within 20 days after such Event of Default arose the Issuer delivers an Officers' Certificate to the Trustee stating that (i) the Indebtedness or guarantee that is the basis for such Event of Default has been discharged or (ii) the Holders thereof have rescinded or waived the acceleration, notice or action (as the case may be) giving rise to such Event of Default or (iii) the default that is the basis for such Event of Default has been cured, it being understood that in no event shall an acceleration of the principal amount of the Notes pursuant to Section 6.2 of the Base Indenture be annulled, waived or rescinded upon the happening of any such events.

ARTICLE EIGHT SATISFACTION AND DISCHARGE

With respect to the Notes, Article VIII of the Base Indenture shall be superseded in its entirety by the following language with respect to, and solely for the benefit of the Holders of the Notes; *provided* that this Article Eight shall not become part of the terms of any other series of Securities:

SECTION 8.1 <u>Discharge of Liability on Notes.</u>

The Indenture shall be discharged and shall cease to be of further effect (except as to surviving rights of registration of transfer or exchange of Notes and the surviving rights of the Trustee, as expressly provided for in the Indenture) as to all outstanding Notes:

- (a) when either:
- (i) all the Notes theretofore authenticated and delivered (other than Notes which have been replaced pursuant to Section 2.8 of the Base Indenture or paid and Notes for whose payment money has theretofore been deposited in trust or segregated and held in trust by the Issuer and thereafter repaid to the Issuer or discharged from such trust) have been delivered to the Trustee for cancellation; or
- (ii) all of the Notes (A) have become due and payable, (B) will become due and payable at their stated maturity within one year or (C) if redeemable at the option of the Issuer, are to be called for redemption within one year under arrangements satisfactory to the Trustee for the giving of notice of redemption by the Trustee in the name, and at the expense, of the Issuer, and the Issuer has irrevocably deposited or caused to be deposited with the Trustee as trust funds in trust solely for the benefit of the Holders, cash in Euros, Euro-Denominated Designated Government Obligations or a combination of cash in Euros and Euro-Denominated Designated Government Obligations in amounts as will be sufficient, without consideration of any reinvestment of interest, in the opinion of a nationally recognized firm of independent accountants (in the event that Euro-Denominated Designated Government Obligations are deposited), to pay and discharge the entire Indebtedness on the Notes not delivered to the Trustee for cancellation for principal, premium, if any, and accrued interest to the date of maturity or redemption;
 - (b) the Issuer and/or the Guarantors has paid or caused to be paid all sums payable by them under the Indenture;

- (c) the Issuer has delivered irrevocable instructions to the Trustee to apply the deposited money toward the payment of the Notes at maturity or the redemption date, as the case may be; and
- (d) the Issuer has delivered to the Trustee an Officers' Certificate and an Opinion of Counsel stating that all conditions precedent under the Indenture relating to the satisfaction and discharge of the Indenture have been complied with.

SECTION 8.2 <u>Defeasance.</u>

- (a) The Issuer may, at its option and at any time, elect to have all of its obligations discharged with respect to the outstanding Notes issued under the Indenture ("<u>Legal Defeasance</u>") except for:
 - (i) the rights of Holders of outstanding Notes issued thereunder to receive payments in respect of the principal of, premium, interest or additional amounts, if any, on such Notes when such payments are due from the trust referred to below;
 - (ii) the Issuer's obligations with respect to the Notes issued thereunder concerning issuing temporary Notes, registration of Notes, mutilated, destroyed, lost or stolen Notes and the maintenance of an office or agency for payment and money for security payments held in trust:
 - (iii) the rights, powers, trusts, duties and immunities of the Trustee, and the Issuer's obligations in connection therewith; and
 - (iv) this Section 8.2(a).
- (b) The Issuer may, at its option and at any time, elect to have its obligations released with respect to Sections 4.1, 4.2, 4.3 and 4.4 of this Thirteenth Supplemental Indenture and the operation of Article Five of this Thirteenth Supplemental Indenture ("Covenant Defeasance") and thereafter any omission to comply with those covenants will not constitute a Default or Event of Default with respect to the Notes. The Issuer may exercise its Legal Defeasance option notwithstanding its prior exercise of its Covenant Defeasance option.

If the Issuer exercises its Legal Defeasance option, payment of the Notes so defeased may not be accelerated because of an Event of Default. If the Issuer exercises its Covenant Defeasance option, payment of the Notes so defeased may not be accelerated because of an Event of Default specified in Sections 6.1(c), 6.1(d), 6.1(e), 6.1(f) (with respect to Significant Subsidiaries of the Issuer only) and 6.1(h) of the Base Indenture or because of the failure of the Issuer to comply with Section 5.1.

Upon satisfaction of the conditions set forth herein and upon request of the Issuer, the Trustee shall acknowledge in writing the discharge of those obligations that the Issuer terminates.

(c) Notwithstanding clauses (a) and (b) above, the Issuer's obligations in Sections 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 7.6 and 7.7 of the Base Indenture and in this Article shall survive until the Notes have been paid in full. Thereafter, the Issuer's obligations in Sections 8.6 and 8.7 of this Thirteenth Supplemental Indenture shall survive such satisfaction and discharge.

SECTION 8.3 Conditions to Defeasance.

- (a) The Issuer may exercise its Legal Defeasance option or its Covenant Defeasance option only if:
- (i) the Issuer has irrevocably deposited with the Trustee, in trust, for the benefit of the Holders, cash in Euros, Euro-Denominated Designated Government Obligations or a combination of Euros and Euro-Denominated Designated Government Obligations in amounts as will be sufficient without consideration of investment of interest, in the opinion of a nationally recognized firm of independent public accountants (in the event that Euro-Denominated Designated Government Obligations are deposited), to pay the principal of, premium, interest or additional amounts, if any, on the outstanding Notes issued thereunder on the stated maturity or on the applicable redemption date, as the case may be, and the Issuer must specify whether the Notes are being defeased to maturity or to a particular redemption date;
- (ii) in the case of Legal Defeasance, the Issuer has delivered to the Trustee an Opinion of Counsel confirming that (1) the Issuer has received from, or there has been published by, the Internal Revenue Service a ruling or (2) since the Issue Date, there has been a change in the applicable federal income tax law, in either case to the effect that, and based thereon such Opinion of Counsel will confirm that, the beneficial owners of the respective outstanding Notes will not recognize income, gain or loss for federal income tax purposes as a result of such Legal Defeasance and will be subject to federal income tax on the same amounts, in the same manner and at the same times as would have been the case if such Legal Defeasance had not occurred:
- (iii) in the case of Covenant Defeasance, the Issuer has delivered to the Trustee an Opinion of Counsel confirming that the beneficial owners of the respective outstanding Notes will not recognize income, gain or loss for federal income tax purposes as a result of such Covenant Defeasance and will be subject to federal income tax on the same amounts, in the same manner and at the same times as would have been the case if such Covenant Defeasance had not occurred;
- (iv) no Default or Event of Default has occurred and is continuing on the date of such deposit (other than a Default or Event of Default resulting from the borrowing of funds to be applied to such deposit and the granting of Liens in connection therewith);
- (v) such Legal Defeasance or Covenant Defeasance will not result in a breach or violation of, or constitute a default under any material agreement or instrument (other than the Indenture) to which the Issuer or any of its Subsidiaries is a party or by which the Issuer or any of its Subsidiaries is bound;
- (vi) the Issuer must deliver to the Trustee an Officers' Certificate stating that the deposit was not made by the Issuer with the intent of preferring the Holders of Notes over the other creditors of the Issuer with the intent of defeating, hindering, delaying or defrauding creditors of the Issuer or others; and
- (vii) the Issuer must deliver to the Trustee an Officers' Certificate and an Opinion of Counsel, each stating that all conditions precedent relating to the Legal Defeasance or the Covenant Defeasance as contemplated by this Article Eight have been complied with.
- (b) Before or after a deposit, the Issuer may make arrangements satisfactory to the Trustee for the redemption of such Notes at a future date in accordance with Article III.

SECTION 8.4 <u>Application of Trust Money.</u>

The Trustee shall hold in trust money or Euro-Denominated Designated Government Obligations (including proceeds thereof) deposited with it pursuant to this Article Eight. It shall apply the deposited money and the money from Euro-Denominated Designated Government Obligations through each Paying Agent and in accordance with the Indenture to the payment of principal of and interest on the Notes so discharged or defeased.

SECTION 8.5 Repayment to Issuer.

Each of the Trustee and each Paying Agent shall promptly turn over to the Issuer upon request any money or Euro-Denominated Designated Government Obligations held by it as provided in this Article Eight which, in the written opinion of nationally recognized firm of independent public accountants delivered to the Trustee (which delivery shall only be required if Euro-Denominated Designated Government Obligations have been so deposited), are in excess of the amount thereof which would then be required to be deposited to effect an equivalent discharge or defeasance in accordance with this Article Eight.

Subject to any applicable abandoned property law, the Trustee and each Paying Agent shall pay to the Issuer upon written request any money held by them for the payment of principal or interest that remains unclaimed for two years, and, thereafter, Holders entitled to the money must look to the Issuer for payment as general creditors, and the Trustee and each Paying Agent shall have no further liability with respect to such monies.

SECTION 8.6 <u>Indemnity for Euro-Denominated Designated Government Obligations.</u>

The Issuer shall pay and shall indemnify the Trustee against any tax, fee or other charge imposed on or assessed against deposited Euro-Denominated Designated Government Obligations or the principal and interest received on such Euro-Denominated Designated Government Obligations.

SECTION 8.7 Reinstatement.

If the Trustee or any Paying Agent is unable to apply any money or Euro-Denominated Designated Government Obligations in accordance with this Article Eight by reason of any legal proceeding or by reason of any order or judgment of any court or governmental authority enjoining, restraining or otherwise prohibiting such application, the Issuer's obligations under the Indenture and the Notes so discharged or defeased shall be revived and reinstated as though no deposit had occurred pursuant to this Article Eight until such time as the Trustee or any Paying Agent is permitted to apply all such money or Euro-Denominated Designated Government Obligations in accordance with this Article Eight; *provided*, however, that, if the Issuer has made any payment of principal of or interest on, any such Notes because of the reinstatement of its obligations, the Issuer shall be subrogated to the rights of the Holders of such Notes to receive such payment from the money or Euro-Denominated Designated Government Obligations held by the Trustee or any Paying Agent.

ARTICLE NINE AMENDMENTS AND WAIVERS

SECTION 9.1 <u>Amendment, Supplement and Waiver.</u>

(a) With respect to the Notes, Sections 9.1, 9.2 and 9.3 of the Base Indenture shall be replaced in their entirety with the following; *provided* that this Article Nine shall not become a part of the terms of any other series of Securities:

SECTION 9.2 Without Consent of the Holders.

The Issuer and the Trustee may amend or supplement the Indenture or the Notes without notice to or consent of any Holder:

- (a) to cure any ambiguity, defect or inconsistency;
- (b) to provide for uncertificated Notes in addition to or in place of certificated Notes;
- (c) to provide for the assumption of the Issuer's obligations to Holders of Notes in the case of a merger or consolidation or sale of all or substantially all of the assets of the Issuer and its Subsidiaries;
- (d) to make any change that would provide any additional rights or benefits to the Holders of Notes or that does not adversely affect the legal rights under the Indenture of any such Holder;
- (e) to comply with requirements of the Commission in order to effect or maintain the qualification of the Indenture under the Trust Indenture Act;
 - (f) to add a Guarantee of the Notes; or
- (g) to conform the text of any provision of the Indenture, the Notes or Guarantees to the extent such provision was intended to be a verbatim recitation of a provision in the "Description of the Notes" section in the Prospectus Supplement related to the Notes dated July 12, 2022, which intent shall be conclusively evidenced by an Officers' Certificate to that effect.

After an amendment under this Section 9.2 becomes effective, the Issuer shall mail (or when the Securities are in the form of Global Securities, send pursuant to the applicable procedures of the Common Depositary) to the Holders a notice briefly describing such amendment. The failure to give such notice to all Holders, or any defect therein, shall not impair or affect the validity of an amendment under this Section 9.2.

SECTION 9.3 <u>With Consent of Holders</u>. The Indenture or the Notes issued thereunder may be amended or supplemented with the consent of the Holders of at least a majority in principal amount of the Notes then outstanding issued under the Indenture (including, without limitation, consents obtained in connection with a purchase of, or tender offer or exchange offer for, Notes), and any existing default or compliance with any provision of the Indenture or the Notes issued thereunder may be waived with the consent of the Holders of a majority in principal amount of the then outstanding Notes issued under the Indenture (including, without limitation, consents obtained in connection with a purchase of, or tender offer or exchange offer for, Notes). Without the consent of each Holder of an outstanding Note affected, an amendment or waiver may not (with respect to any Notes held by a non-consenting member):

- (a) reduce the principal amount of Notes issued under the Indenture whose Holders must consent to an amendment, supplement or waiver;
- (b) reduce the principal of or change the fixed maturity of any Note or alter the provisions with respect to the redemption of the Notes (other than Section 4.5 of this Thirteenth Supplemental Indenture);
 - (c) reduce the rate of or change the time for payment of interest on any Note;

- (d) waive a Default or Event of Default in the payment of principal of, premium, interest or additional amounts, if any, on the Notes (except a rescission of acceleration of the Notes by the Holders of at least a majority in aggregate principal amount of the Notes and a waiver of the payment default that resulted from such acceleration);
 - (e) make any Note payable in money other than that stated in such Note;
- (f) make any change in Article Six of this Thirteenth Supplemental Indenture that adversely affects the rights of any Holder under Article Six;
 - (g) make any changes in Section 6.8 or 6.13 hereof;
- (h) waive a redemption payment with respect to any Note issued hereunder (other than Section 4.5 of this Thirteenth Supplemental Indenture); or
 - (i) make any change in the preceding amendment and waiver provisions.

It shall not be necessary for the consent of the Holders under this Section 9.3 to approve the particular form of any proposed amendment, but it shall be sufficient if such consent approves the substance thereof.

After an amendment under this Section 9.3 becomes effective, the Issuer shall mail (or when the Securities are in the form of Global Securities, send pursuant to the applicable procedures of the Common Depositary) to the Holders a notice briefly describing such amendment. The failure to give such notice to all Holders, or any defect therein, shall not impair or affect the validity of an amendment under this Section 9.3.

SECTION 9.4 Payment for Consent.

- (a) The Issuer will not, and will not permit any of its Subsidiaries to, directly or indirectly, pay or cause to be paid any consideration to or for the benefit of any Holder of Notes for or as an inducement to any consent, waiver or amendment of any of the terms or provisions of the Indenture or the Notes unless such consideration is offered to be paid and is paid to all Holders of the Notes that consent, waive or agree to amend in the time frame set forth in the solicitation documents relating to such consent, waiver or agreement.
- (b) With respect to the Notes, Section 9.5 of the Base Indenture shall be amended such that the reference to "clauses (1) through (8) of Section 9.3" is a reference to "clauses (a) through (i) of Section 9.3", which references shall be deemed to be provisions of the Base Indenture with respect to the Notes; provided that the terms of this Article Nine shall not become a part of the terms of any other series of Securities.

ARTICLE TEN APPOINTMENT OF TRUSTEE

SECTION 10.1 <u>Appointment of U.S. Bank Trust Company, National Association as Trustee for the Notes.</u> Pursuant to the Base Indenture, the Issuer hereby appoints U.S. Bank Trust Company, National Association as Trustee under the Base Indenture with respect to the Notes, and only with respect to the Notes, and vests in and confirms with the Trustee all rights, powers, trusts, privileges, duties and obligations of a Trustee under the Indenture with respect to the Notes. There shall continue to be vested in and confirmed with the Base Trustee all of its rights, powers, trusts, privileges, duties and obligations as Trustee under the Base Indenture with respect to all of the series of Securities as to which it has served and continues to serve as trustee under the Base Indenture. With respect to the Notes, all references to the Trustee in the Base Indenture shall be understood to be references to the Trustee.

SECTION 10.2 <u>Appointment of Registrar, Transfer Agent and Paying Agent</u>. The Issuer hereby appoints the Trustee as Registrar and Transfer Agent and Elavon Financial Services DAC, UK Branch, as Paying Agent (as such terms are defined in the Base Indenture) upon whom notices and demands may be served, in each case, with respect to the Notes.

SECTION 10.3 <u>Corporate Trust Office.</u> For any purposes relating to the Notes, the Trustee, or the Paying Agent, references in the Base Indenture to the office of the Trustee shall be deemed to refer to the corporate trust office of the Trustee, which is located at U.S. Bank Trust Company, National Association, Attention: Corporate Trust Services - Celanese US Holdings LLC Administrator, 13737 Noel Road, 8th Floor, Dallas, Texas 75240 and any references to the office of the Paying Agent shall be deemed to refer to the corporate office of the Paying Agent which is located at Elavon Financial Services DAC, UK Branch, 125 Old Broad Street, Fifth Floor, London EC2N 1AR.

ARTICLE ELEVEN THE BASE TRUSTEE

SECTION 11.1 <u>Base Trustee's Acknowledgement.</u> The Base Trustee hereby acknowledges that it will not serve as the Trustee under the Base Indenture with respect to the Notes; and the parties hereto expressly acknowledge and agree that the Base Trustee shall have no liabilities, duties or obligations of any kind (under the Indenture or otherwise) with respect to the Notes or the issuance thereof and that the Base Trustee shall have no responsibility or liability for the sufficiency or effectiveness of this Thirteenth Supplemental Indenture for any purpose.

SECTION 11.2 <u>Duties Under Supplemental Indenture.</u> The Base Trustee shall have no liabilities, duties or obligations under or in respect of this Thirteenth Supplemental Indenture, and no implied duties or obligations of any kind shall be read into this Thirteenth Supplemental Indenture on the part of the Base Trustee.

ARTICLE TWELVE THE TRUSTEE

- SECTION 12.1 Representations and Warranties. The Trustee hereby represents and warrants to the Base Trustee and to the Issuer that:
- (a) The Trustee is qualified and eligible, under the provisions of Section 7.9 of the Base Indenture and the Trust Indenture Act of 1939, as amended, to act as Trustee under the Indenture.
- (b) This Thirteenth Supplemental Indenture has been duly authorized, executed and delivered on behalf of the Trustee and constitutes its legal, valid and binding obligation.

ARTICLE THIRTEEN MISCELLANEOUS

SECTION 13.1 <u>Effect of Thirteenth Supplemental Indenture</u>.

- (a) This Thirteenth Supplemental Indenture is a supplemental indenture within the meaning of Section 2.2 of the Base Indenture, and the Base Indenture shall be read together with this Thirteenth Supplemental Indenture and shall have the same effect over the Notes, in the same manner as if the provisions of the Base Indenture and this Thirteenth Supplemental Indenture were contained in the same instrument and nothing herein shall constitute an amendment, supplement or waiver requiring the approval of any of the holders of any existing Securities of a series pursuant to Section 9.2 of the Base Indenture.
- (b) In all respects, the Base Indenture is confirmed by the parties hereto as supplemented by the terms of this Thirteenth Supplemental Indenture.
- (c) Nothing contained herein or in the Base Indenture shall constitute Base Trustee and Trustee as co-trustees of the same trust and each of the Base Trustee and Trustee shall be a Trustee (as defined in the Base Indenture) of a trust or trusts under the Base Indenture separate and apart from any trust or trusts administered by any other such Trustee (as defined in the Base Indenture).
- (d) The Issuer's obligation and covenant to reimburse each of the Base Trustee and Trustee for reasonable disbursements, advances and expenses and to indemnify each of the Base Trustee and Trustee, as applicable, pursuant to, and in accordance with, the terms of Section 7.6 of the Base Indenture shall extend to any and all loss, liability or expense incurred by the Base Trustee or the Trustee, as applicable (without negligence or bad faith as determined by a final, non-appealable decision of a court of competent jurisdiction in each instance on the part of Base Trustee or Trustee, as applicable), arising out of or in connection with any series of the Securities under the Indenture, regardless of whether the Base Trustee or the Trustee, as applicable, is the respective Trustee of such series of the Securities.

SECTION 13.2 Effect of Headings.

The Article and Section headings herein are for convenience only and shall not affect the construction hereof.

SECTION 13.3 Successors and Assigns.

All covenants and agreements in this Thirteenth Supplemental Indenture by the Issuer, the Guarantors, Base Trustee, Trustee and the Holders shall bind their successors and assigns, whether so expressed or not.

SECTION 13.4 Severability Clause.

In case any provision in this Thirteenth Supplemental Indenture or in the Notes shall be invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby.

SECTION 13.5 Benefits of Thirteenth Supplemental Indenture.

Nothing in this Thirteenth Supplemental Indenture or in the Notes, express or implied, shall give to any Person, other than the parties hereto, any benefit or any legal or equitable right, remedy or claim under this Thirteenth Supplemental Indenture.

SECTION 13.6 Conflict.

In the event that there is a conflict or inconsistency between the Base Indenture and this Thirteenth Supplemental Indenture, the provisions of this Thirteenth Supplemental Indenture shall control; *provided*, *however*, if any provision hereof limits, qualifies or conflicts with another provision herein or in the Base Indenture, in either case, which is required or deemed to be included in the Indenture by any of the provisions of the Trust Indenture Act, such required or deemed provision shall control.

SECTION 13.7 Governing Law.

THIS THIRTEENTH SUPPLEMENTAL INDENTURE AND THE NOTES SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE INTERNAL LAWS OF THE STATE OF NEW YORK.

SECTION 13.8 Trustee

Neither the Trustee nor the Base Trustee shall be responsible in any manner whatsoever for or in respect of the validity or sufficiency of this Thirteenth Supplemental Indenture or for or in respect of the recitals contained herein, all of which are made solely by the Issuer.

In the performance of its obligations hereunder, U.S Bank Trust Company, National Association, as Trustee for the Notes, shall be provided with all of the rights, benefits, protections, indemnities and immunities afforded to the Trustee (as defined in the Base Indenture) pursuant to the Base Indenture. No provision of the Indenture shall require the Trustee to expend or risk its own funds or incur any liability. The Trustee may refuse to perform any duty or exercise any right or power unless it receives indemnity satisfactory to it against any loss, liability or expense.

It is hereby confirmed that all the rights, powers, trusts and duties of the Base Trustee, as Trustee (as defined in the Indenture), in respect of all series of the Securities which have been issued prior to the date hereof and remain outstanding shall continue to be vested in the Base Trustee.

SECTION 13.9 Counterparts.

This Thirteenth Supplemental Indenture may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such counterparts shall together constitute but one and the same instrument. The exchange of copies of this Thirteenth Supplemental Indenture and of signature pages by facsimile or PDF transmission shall constitute effective execution and delivery of this Thirteenth Supplemental Indenture as to the parties hereto and may be used in lieu of the original instrument for all purposes. Signatures of the parties hereto transmitted by facsimile or PDF shall be deemed to be their original signatures for all purposes.

All notices, approvals, consents, requests and any communications hereunder must be in writing (provided that any communication sent to the Trustee hereunder must be in the form of a document that is signed manually or by way of a digital signature provided by DocuSign (or such other digital signature provider as specified in writing to Trustee by the authorized representative), in English). The Issuer agrees to assume all risks arising out of the use of using digital signatures and electronic methods to submit communications to Trustee, including, without limitation, the risk of Trustee acting on unauthorized instructions, and the risk of interception and misuse by third parties.

The Trustee shall have the right to accept and act upon any notice, instruction, or other communication, including any funds transfer instruction, (each, a "Notice") received pursuant to the Indenture by electronic transmission (including by e-mail, facsimile transmission, web portal or other electronic methods) and shall not have any duty to confirm that the person sending such Notice is, in fact, a person authorized to do so. Electronic signatures believed by the Trustee to comply with the ESIGN Act of 2000 or other applicable law (including electronic images of handwritten signatures and digital signatures provided by DocuSign, Orbit, Adobe Sign or any other digital signature provider identified by any other party hereto and acceptable to the Trustee) shall be deemed original signatures for all purposes. Each other party to the Indenture assumes all risks arising out of the use of electronic signatures and electronic methods to send notices to the Trustee, including without limitation the risk of the Trustee acting on an unauthorized Notice and the risk of interception or misuse by third parties. Notwithstanding the foregoing, the Trustee may in any instance and in its sole discretion require that a Notice in the form of an original document bearing a manual signature be delivered to the Trustee in lieu of, or in addition to, any such electronic Notice.

SECTION 13.10 Force Majeure.

In no event shall any of the Trustee, any Paying Agent or any Transfer Agent be responsible or liable for any failure or delay in the performance of its obligations arising out of or caused by, directly or indirectly, forces beyond its control, including, without limitation, (i) any act or provision of any present or future law or regulation or governmental authority, (ii) any act of God, (iii) natural disaster, (iv) war, (v) terrorism, (vi) civil unrest, (vii) accidents, (viii) labor dispute, (ix) disease, (x) epidemic or pandemic, (xi) quarantine, (xii) national emergency, (xiii) loss or malfunction of utility or computer software or hardware, (xiv) communications system failure, (xv) malware or ransomware, (xvi) unavailability of the Federal Reserve Bank wire or telex system or other wire or other funds transfer systems, or (xvii) unavailability of securities clearing system; it being understood that each of the Trustee, Paying Agent and Transfer Agent shall undertake commercially reasonable efforts which are consistent with accepted practices in the banking industry to resume performance as soon as practicable under the circumstances.

SECTION 13.11 U.S.A. PATRIOT Act.

In order to comply with the laws, rules, regulations and executive orders in effect from time to time applicable to banking institutions, including, without limitation, those relating to the funding of terrorist activities and money laundering, including Section 326 of the USA PATRIOT Act of the United States ("Applicable Law"), the Trustee and Agents are required to obtain, verify, record and update certain information relating to individuals and entities which maintain a business relationship with the Trustee and Agents. Accordingly, each of the parties agree to provide to the Trustee and Agents, upon their request from time to time such identifying information and documentation as may be available for such party in order to enable the Trustee and Agents to comply with Applicable Law.

SECTION 13.12 Regulatory Matters.

- (a) The Paying Agent is authorized and regulated by the Central Bank of Ireland ("<u>CBOI</u>"). It is additionally authorized by the UK Prudential Regulation Authority ("<u>PRA</u>") and its activities in the UK are subject to limited regulation by the UK Financial Conduct Authority ("<u>FCA</u>") and the PRA.
- (b) In connection with the worldwide effort against the funding of terrorism and money laundering activities, the Paying Agent may be required under various national laws and regulations to which they are subject to obtain, verify and record information that identifies each person who opens an account with it. For a non-individual person such as a business entity, a charity, a trust or other legal entity the Paying Agent shall be entitled to ask for documentation to verify such entity's formation and legal existence as well as financial statements, licenses, identification and authorisation documents from individuals claiming authority to represent the entity or other relevant documentation.
- (c) The parties to this Thirteenth Supplemental Indenture acknowledge and agree that the obligations of the Paying Agent under this Thirteenth Supplemental Indenture are limited by and subject to compliance by them with EU and US Federal anti-money laundering statutes and regulations. If the Paying Agent or any of their directors know or suspect that a payment is the proceeds of criminal conduct, such person is required to report such information pursuant to the applicable authorities and such report shall not be treated as a breach by such person of any confidentiality covenant or other restriction imposed on such person under this Thirteenth Supplemental Indenture, by law or otherwise on the disclosure of information. The Paying Agent shall be indemnified and held harmless by the Issuer from and against all losses suffered by them that may arise as a result of the agents being prevented from fulfilling their obligations hereunder due to the extent doing so would not be consistent with applicable statutory anti-money laundering requirements.
- (d) Notwithstanding anything to the contrary in this Thirteenth Supplemental Indenture or in any other agreement, arrangement or understanding among any such parties, each party hereto acknowledges that any liability of any party arising under this Thirteenth Supplemental Indenture or any such other document, to the extent such liability is unsecured or not otherwise exempted, may be subject to the write-down and conversion powers of a Resolution Authority and agrees and consents to, and acknowledges and agrees to be bound by:
 - (i) the application of any Write-Down and Conversion Powers by a Resolution Authority to any such liabilities arising hereunder which may be payable to it by any party hereto; and

- (ii) the effects of any Bail-in Action on any such liability, including, if applicable:
 - (I) a reduction in full or in part or cancellation of any such liability;
- (II) a conversion of all, or a portion of, such liability into shares or other instruments of ownership in such party, its parent undertaking, or a bridge institution that may be issued to it or otherwise conferred on it, and that such shares or other instruments of ownership will be accepted by it in lieu of any rights with respect to any such liability under this Thirteenth Supplemental Indenture or any other agreement; or
- (III) the variation of the terms of such liability in connection with the exercise of the write-down and conversion powers of any Resolution Authority.

For the purpose of this Section 10.12 the following terms shall have the following meanings:

"Bail-In Action" means the exercise of any Write-Down and Conversion Powers by the applicable Resolution Authority.

"Bail-In Legislation" means, with respect to any EEA Member Country implementing Article 55 of Directive 2014/59/EU of the European Parliament and of the Council of the European Union, the implementing law for such EEA Member Country from time to time which is described in the EU Bail-In Legislation Schedule and in relation to any other state, any analogous law or regulation from time to time which requires contractual recognition of any Write-down and Conversion Powers contained in that law or regulation.

"EEA Member Country" means any of the member states of the European Union, Iceland, Liechtenstein, and Norway.

"EU Bail-In Legislation Schedule" means the EU Bail-In Legislation Schedule published by the Loan Market Association (or any successor person), as in effect from time to time.

"Resolution Authority" means any public administrative authority or any person entrusted with public administrative authority to exercise any Write-down and Conversion Powers.

"Write-Down and Conversion Powers" means,

- (a) in relation to any Bail-In Legislation described in the EU Bail-In Legislation Schedule from time to time, the powers described as such in relation to that Bail-In Legislation in the EU Bail-In Legislation Schedule; and
- (b) any powers under the Bail-In Legislation to cancel, transfer or dilute shares issued by a person that is a bank or investment firm or other financial institution or affiliate of a bank, investment firm or other financial institution, to cancel, reduce, modify or change the form of a liability of such a person or any contract or instrument under which that liability arises, to convert all or part of that liability into shares, securities or obligations of that person or any other person, to provide that any such contract or instrument is to have effect as if a right had been exercised under it or to suspend any obligation in respect of that liability or any of the powers under that Bail-In Legislation that are related to or ancillary to any of those powers; and any similar or analogous powers under that Bail-In Legislation.

[Signature page to follow]

IN WITNESS WHEREOF, the parties hereto have caused this Thirteenth Supplemental Indenture to be duly executed on the date and year first written above.

ISSUER:

CELANESE US HOLDINGS LLC

By: /s/ Scott A. Richardson

Name: Scott A. Richardson

Title: President

GUARANTORS:

CELANESE CORPORATION

By: /s/ Scott A. Richardson

Name: Scott A. Richardson

Title: Executive Vice President and Chief Financial Officer

CELANESE AMERICAS LLC

By: /s/ Dmitry Buriko

Name: Dmitry Buriko

Title: Vice President and Treasurer

CELANESE ACETATE LLC

By: /s/ Dmitry Buriko

Name: Dmitry Buriko

Title: Vice President and Treasurer

CELANESE CHEMICALS, INC.

By: /s/ Dmitry Buriko

Name: Dmitry Buriko

Title: Vice President and Treasurer

CNA HOLDINGS LLC

By: /s/ Dmitry Buriko

Name: Dmitry Buriko

Title: Vice President and Treasurer

CELANESE INTERNATIONAL CORPORATION

By: /s/ Dmitry Buriko

Name: Dmitry Buriko

Title: Vice President and Treasurer

CELTRAN, INC.

By: /s/ Dmitry Buriko

Name: Dmitry Buriko

Title: Vice President and Treasurer

KEP AMERICAS ENGINEERING PLASTICS, LLC

By: /s/ Dmitry Buriko

Name: Dmitry Buriko

Title: Vice President and Treasurer

TICONA FORTRON INC.

By: /s/ Dmitry Buriko

Name: Dmitry Buriko

Title: Vice President and Treasurer

TICONA POLYMERS, INC.

By: /s/ Dmitry Buriko

Name: Dmitry Buriko

Title: Vice President and Treasurer

TICONA LLC

By: /s/ Dmitry Buriko

Name: Dmitry Buriko

Title: Vice President and Treasurer

CELANESE GLOBAL RELOCATION LLC

By: /s/ Dmitry Buriko

Name: Dmitry Buriko

Title: Vice President and Treasurer

CELANESE LTD.

By: CELANESE INTERNATIONAL CORPORATION, its general partner

By: /s/ Dmitry Buriko

Name: Dmitry Buriko

Title: Vice President and Treasurer

CELANESE SALES U.S. LTD.

By: CELANESE INTERNATIONAL CORPORATION, its general partner

By: /s/ Dmitry Buriko

Name: Dmitry Buriko

Title: Vice President and Treasurer

TRUSTEE, REGISTRAR AND TRANSFER AGENT:

U.S. BANK TRUST COMPANY, NATIONAL ASSOCIATION

By: /s/ Michael K. Herberger Name: Michael K. Herberger

Title: Vice President

BASE TRUSTEE:

Computershare Trust Company, N.A., as successor Trustee to Wells Fargo Bank, National Association

By: /s/ Linda Lopez
Name: Linda Lopez

Title: Assistant Vice President

PAYING AGENT:

ELAVON FINANCIAL SERVICES DAC, UK BRANCH

By: /s/ Michael Leong
Name: Michael Leong
Title: Authorised Signatory

Form of 4.777% Senior Notes Due 2026

THIS SECURITY IS A GLOBAL SECURITY WITHIN THE MEANING OF THE INDENTURE HEREINAFTER REFERRED TO AND IS REGISTERED IN THE NAME OF USB NOMINEES (UK) LIMITED, AS NOMINEE FOR THE COMMON DEPOSITARY (AS DEFINED IN THE THIRTEENTH SUPPLEMENTAL INDENTURE GOVERNING THIS SECURITY) FOR CLEARSTREAM BANKING, SOCIETE ANONYME AND EUROCLEAR BANK, S.A./N.V., WHICH MAY BE TREATED BY THE ISSUER, THE TRUSTEE AND ANY AGENT THEREOF AS OWNER AND HOLDER OF THIS SECURITY FOR ALL PURPOSES. THIS SECURITY IS EXCHANGEABLE FOR SECURITIES REGISTERED IN THE NAME OF A PERSON OTHER THAN THE COMMON DEPOSITARY OR ITS NOMINEE ONLY IN THE LIMITED CIRCUMSTANCES DESCRIBED IN THE INDENTURE, AND MAY NOT BE TRANSFERRED EXCEPT AS A WHOLE BY THE COMMON DEPOSITARY TO A NOMINEE OF THE COMMON DEPOSITARY, BY A NOMINEE OF THE COMMON DEPOSITARY TO THE COMMON DEPOSITARY OR ANOTHER NOMINEE OF THE COMMON DEPOSITARY OR BY THE COMMON DEPOSITARY OR ANY SUCH NOMINEE TO A SUCCESSOR COMMON DEPOSITARY OR A NOMINEE OF SUCH A SUCCESSOR COMMON DEPOSITARY.

CELANESE US HOLDINGS LLC

4.777% SENIOR NOTES DUE 2026

No.[]

Common No. 249752070 ISIN No. XS2497520705

CELANESE US HOLDINGS LLC, a Delaware limited liability company, for value received, promises to pay to USB (NOMINEES) UK LIMITED, or registered assigns, the principal sum of [] Euros (\in []) on July 19, 2026.

Interest Payment Dates: July 19, and on July 19, 2026.

Regular Record Dates: July 5

Additional provisions of this 2026 Note are set forth on the other side of this 2026 Note.

Exhibit A-1-1

IN WITNESS WHEREOF, the Issuer has caused this instrument to be duly executed.

CELANESE US HOLDINGS LLC

| | By: |
|----------------------|--------|
| | Name: |
| | Title: |
| Dated: July 19, 2022 | |
| | **** |

AUTHENTICATING AGENT'S CERTIFICATE OF AUTHENTICATION

This is one of the 2026 Notes of the series designated as 2026 Notes in the within-mentioned Indenture.

Dated: July 19, 2022

as Authenticating Agent

By: Authorized Officer

Exhibit A-1-3

(Reverse of 2026 Note)

4.777% Senior Note due 2026

1. Interest

CELANESE US HOLDINGS LLC, a Delaware limited liability company (the "<u>Issuer</u>"), promises to pay interest on the principal amount of this 2026 Note at the rate per annum shown above, subject to adjustment as set forth in Section 2.4 of the Thirteenth Supplemental Indenture. The Issuer shall pay interest annually on July 19 of each year, commencing July 19, 2023, and on the final maturity date of the 2026 Notes. If such date is not a Business Day, interest will be paid to registered Holders on the next succeeding Business Day and no additional interest will be due as a result in accordance with Section 10.6 of the Base Indenture. Interest on the 2026 Notes shall accrue from the most recent date to which interest has been paid or duly provided for or, if no interest has been paid or duly provided for, from July 19, 2022 until the principal hereof is due. Interest shall be computed on the basis of the actual number of days in the period for which interest is being calculated and the actual number of days from and including the last date on which interest was paid on the 2026 Notes (or July 19, 2022, if no interest has been paid on the 2026 Notes), to but excluding the next scheduled interest payment date. The Issuer shall pay interest on overdue principal and premium, if any, at the rate borne by the 2026 Notes, and it shall pay interest on overdue installments of interest at the same rate to the extent lawful.

2. Method of Payment

The Issuer shall pay interest and additional amounts, if any, on the 2026 Notes (except defaulted interest) to the Persons who are registered Holders at the close of business on the July 5 next preceding the interest payment date even if 2026 Notes are canceled after the record date and on or before the interest payment date (whether or not a Business Day). Holders must surrender 2026 Notes to a Paying Agent to collect principal payments. The Issuer shall pay principal, premium, if any, and interest in money of the member states of the European Union that have adopted or that adopt the single currency in accordance with the treaty establishing the European Community, as amended by the Treaty on European Union, that at the time of payment is legal tender for payment of public and private debts. Payments in respect of the 2026 Notes represented by a Global Security (including principal, premium, interest and additional amounts, if any) shall be made by wire transfer of immediately available funds to the accounts specified by the Holders to the Paying Agent or the Issuer. The Issuer will make all payments in respect of a certificated 2026 Note (including principal, premium, interest and additional amounts, if any), at the office of each Paying Agent, except that, at the option of the Issuer, payment of interest may be made by mailing a check to the registered address of each Holder thereof. Such payment will be in Euros.

3. Paying Agent and Registrar

Initially, Elavon Financial Services DAC, UK Branch will act as Paying Agent and U.S. Bank Trust Company, National Association will act as Registrar. The Issuer may appoint and change any Paying Agent or Registrar without notice. The Issuer or any of its Subsidiaries may act as Paying Agent or Registrar.

4. Indenture

The Issuer issued the 2026 Notes under an Indenture, dated as of May 6, 2011 (the "Base Indenture"), among the Issuer, Celanese Corporation, a Delaware corporation (the "Parent Guarantor"), and Computershare Trust Company, N.A., as successor to Wells Fargo Bank, National Association, as trustee (the "Base Trustee") as amended with respect to the 2026 Notes by the Thirteenth Supplemental Indenture dated July 19, 2022 (the "Thirteenth Supplemental Indenture" and, together with the Base Indenture, the "Indenture"), among the Issuer, the guarantors party thereto (the "Guarantors"), the Base Trustee, U.S. Bank Trust Company, National Association, as Trustee, Registrar and Transfer Agent, Elavon Financial Services DAC, UK Branch (until such times as a successor may be appointed by the Issuer), as Paying Agent, which collectively constitutes the Indenture governing the 2026 Notes. The terms of the 2026 Notes include those stated in the Indenture and those made part of the Indenture by reference to the Trust Indenture Act of 1939, as amended as in effect on the date of the Indenture (the "TIA"). The 2026 Notes include all terms and provisions of the Indenture, and Holders are referred to the Indenture and the TIA for a statement of such terms and provisions. This 2026 Note is one of a series of securities designated as the 4.777% Senior Notes due 2026 of the Issuer. Capitalized terms used herein have the same meanings given in the Indenture unless otherwise indicated.

The aggregate principal amount at maturity of the 2026 Notes which may be authenticated and delivered under the Indenture shall be unlimited. In addition, the aggregate principal amount of Securities of any class or series which may be authenticated and delivered under the Indenture shall be unlimited, *provided* that such Securities shall rank equally with the 2026 Notes.

5. Optional Redemption

The 2026 Notes are subject to redemption as provided in Sections 3.2 and 3.4 of the Thirteenth Supplemental Indenture.

6. Special Mandatory Redemption

The 2026 Notes are subject to a Special Mandatory Redemption as provided in Section 3.3 of the Thirteenth Supplemental Indenture.

Sinking Fund

Except as provided in Section 3.3 of the Thirteenth Supplemental Indenture, the 2026 Notes are not entitled to the benefit of any mandatory redemption or sinking fund.

8. Denominations, Transfer, Exchange

The 2026 Notes are in fully registered form without coupons in denominations of €100,000 and integral multiples of €1,000 in excess thereof. A registered Holder may transfer or exchange 2026 Notes in accordance with the Indenture. Upon any such transfer or exchange, the Registrar and the Trustee may require a Holder, among other things, to furnish appropriate endorsements or transfer documents. No service charge shall be made for any registration of transfer or exchange, but the Issuer or the Trustee may require the payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in connection therewith permitted by the Indenture. The Registrar need not register the transfer of or exchange any 2026 Notes selected for redemption (except, in the case of a 2026 Note to be redeemed in part, the portion of the 2026 Note not to be redeemed) or to transfer or exchange any 2026 Note for a period of 15 days prior to a selection of 2026 Notes to be redeemed.

9. Persons Deemed Owners

The registered Holder of this 2026 Note shall be treated as the owner of it for all purposes.

10. Unclaimed Money

Subject to any applicable abandoned property law, if money for the payment of principal or interest held by the Trustee or a Paying Agent remains unclaimed for two years, the Trustee or Paying Agent, as applicable, shall pay the money to the Issuer upon written request. Thereafter, Holders entitled to the money must look to the Issuer for payment as general creditors, and the Trustee and each Paying Agent shall have no further liability with respect to such monies.

11. Discharge and Defeasance

Subject to certain conditions and limitations set forth in the Indenture, the Issuer may terminate some of or all its obligations under the 2026 Notes and the Indenture if the Issuer deposits with the Trustee money or Euro-Denominated Designated Obligations for the payment of principal of, premium, interest and additional amounts, if any, on the 2026 Notes to redemption or maturity, as the case may be.

12. Modification and Waiver

Subject to certain exceptions set forth in the Indenture, the Indenture and the 2026 Notes may be amended, or default may be waived, with the consent of the Holders of a majority in principal amount of the outstanding 2026 Notes. Without notice to or the consent of any Holder, the Issuer and the Trustee may amend or supplement the Indenture or the 2026 Notes to, among other things, cure any ambiguity, defect or inconsistency.

13. Defaults and Remedies

If an Event of Default occurs (other than an Event of Default relating to certain events of bankruptcy, insolvency or reorganization of the Issuer set forth in the Indenture) and is continuing, the Trustee or the Holders of at least 25% in principal amount of the outstanding 2026 Notes (with a copy to the Trustee), in each case, by notice to the Issuer, may declare the principal of, premium, if any, and accrued but unpaid interest on all the 2026 Notes to be due and payable. If an Event of Default relating to certain events of bankruptcy, insolvency or reorganization of the Issuer occurs, the principal of, premium, if any, and interest on all the 2026 Notes shall become immediately due and payable without any declaration or other act on the part of the Trustee or any Holders. Under certain circumstances, the Holders of a majority in principal amount of the outstanding 2026 Notes may rescind any such acceleration with respect to the 2026 Notes and its consequences.

14. Trustee Dealings with the Issuer

Subject to certain limitations imposed by the TIA, the Trustee under the Indenture, in its individual or any other capacity, may become the owner or pledgee of 2026 Notes and may otherwise deal with and collect obligations owed to it by the Issuer or its Affiliates and, subject to the Indenture, may otherwise deal with the Issuer or its Affiliates with the same rights it would have if it were not Trustee.

15. Guarantees

The 2026 Note will be entitled to the benefits of certain Guarantees made for the benefit of the Holders. Reference is hereby made to the Indenture for a statement of the respective rights, limitations of rights, duties and obligations thereunder of the Guarantors, the Trustee and the Holders.

16. No Recourse Against Others

No director, officer, employee, incorporator or holder of any equity interests in the Issuer or any Guarantor shall have any liability for or any obligations, covenants or agreements of the Issuer or the Guarantors under the 2026 Notes or the Indenture or for any claim based thereon or otherwise in respect of, or by reason of, such obligations or their creation. By accepting a 2026 Note, each holder expressly waives and releases all such liability. The waiver and release are a condition of, and part of the consideration for, the execution of the Indenture and the issuance of the 2026 Notes.

17. Authentication

This 2026 Note shall not be valid until an authorized signatory of the Authenticating Agent manually signs the certificate of authentication on the other side of this 2026 Note.

18. Abbreviations

Customary abbreviations may be used in the name of a holder or an assignee, such as TEN COM (=tenants in common), TEN ENT (=tenants by the entireties), JT TEN (=joint tenants with rights of survivorship and not as tenants in common), CUST (=custodian), and U/G/M/A (=Uniform Gifts to Minors Act).

19. Governing Law

THE INDENTURE AND THIS 2026 NOTE SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE INTERNAL LAWS OF THE STATE OF NEW YORK.

20. Common Code Number and ISIN

Pursuant to a recommendation promulgated by the Committee on Uniform Security Identification Procedures, the Issuer has caused the Common Code number and ISIN to be printed on this 2026 Note and has directed the Trustee to use the Common Code number and ISIN in notices of redemption as a convenience to Holders. No representation is made as to the accuracy of such number either as printed on this 2026 Note or as contained in any notice of redemption and reliance may be placed only on the other identification numbers placed thereon.

The Issuer will furnish to any Holder of 2026 Notes upon written request and without charge to the Holder a copy of the Indenture and a copy of this 2026 Note.

ASSIGNMENT FORM

| To assign this 2026 Note, fill in | n the form below: | |
|-----------------------------------|--|--|
| I or we assign and transfer this | Security to | |
| | (Print or type assignee's name, address and zip code) | |
| | (Insert assignee's soc. sec. or tax | I.D. No.) |
| and irrevocably appoint | agent to transfer this 2026 Note on the books of the | Issuer. The agent may substitute another to act for him. |
| Date: | Your Signature: | |
| | | (Sign exactly as your name appears on the face of this 2026 Note.) |
| | SIGNATURE GUARANT | EE |
| membership or participation in | aranteed by an "eligible guarantor institution" meeting the re the Security Transfer Agent Medallion Program ("STAMP") or in substitution for, STAMP, all in accordance with the Sec | or such other "signature guarantee program" as may be determined |
| | Exhibit A-1-8 | |

OPTION OF HOLDER TO ELECT PURCHASE

If you want to elect to have all or any part of this 2026 Note purchased by the Issuer pursuant to Section 4.5 of the Thirteenth Supplemental Indenture,

| check the box: □ | | |
|--|---------------------|--|
| If you want to have only part of the 2026 Note purchased by the Issuer amount you elect to have purchased: | pursuant to Section | 1 4.5 of the Thirteenth Supplemental Indenture, state the |
| ϵ | | |
| (multiple of €1,000) | | |
| Date: | | |
| | Your Signature: | |
| | | (Sign exactly as your name appears on the face of this 2026 Note.) |
| SIGNATURE (| GUARANTEE | |
| Signatures must be guaranteed by an "eligible guarantor institution" meeting the participation in the Security Transfer Agent Medallion Program ("STAMP") or s Registrar in addition to, or in substitution for, STAMP, all in accordance with the | such other "signatu | re guarantee program" as may be determined by the |
| Exhibit | t A-1-9 | |

SCHEDULE OF INCREASES OR DECREASES IN GLOBAL SECURITY

| made: | The initial principal amount of this Glob | bal Security is €[|]. The follow | ing increases or decreases in thi | s Global Security have been |
|---------------------|--|--|---------------|--|--|
| Date of Exchange | Amount of decrease in Principal Amount of this Global Security | Amount of increase in Principa Amount of the Global Securion | ıl his | Principal Amount of this Global Security following such decrease or increase | Signature of authorized signatory of Trustee or Debt Securities Custodian |
| | | | | | |
| | | Exhib | it A-1-10 | | |

Form of 5.337% Senior Notes Due 2029

THIS SECURITY IS A GLOBAL SECURITY WITHIN THE MEANING OF THE INDENTURE HEREINAFTER REFERRED TO AND IS REGISTERED IN THE NAME OF USB NOMINEES (UK) LIMITED, AS NOMINEE FOR THE COMMON DEPOSITARY (AS DEFINED IN THE THIRTEENTH SUPPLEMENTAL INDENTURE GOVERNING THIS SECURITY) FOR CLEARSTREAM BANKING, SOCIETE ANONYME AND EUROCLEAR BANK, S.A./N.V., WHICH MAY BE TREATED BY THE ISSUER, THE TRUSTEE AND ANY AGENT THEREOF AS OWNER AND HOLDER OF THIS SECURITY FOR ALL PURPOSES. THIS SECURITY IS EXCHANGEABLE FOR SECURITIES REGISTERED IN THE NAME OF A PERSON OTHER THAN THE COMMON DEPOSITARY OR ITS NOMINEE ONLY IN THE LIMITED CIRCUMSTANCES DESCRIBED IN THE INDENTURE, AND MAY NOT BE TRANSFERRED EXCEPT AS A WHOLE BY THE COMMON DEPOSITARY TO A NOMINEE OF THE COMMON DEPOSITARY, BY A NOMINEE OF THE COMMON DEPOSITARY TO THE COMMON DEPOSITARY OR ANOTHER NOMINEE OF THE COMMON DEPOSITARY OR BY THE COMMON DEPOSITARY OR ANY SUCH NOMINEE TO A SUCCESSOR COMMON DEPOSITARY OR A NOMINEE OF SUCH A SUCCESSOR COMMON DEPOSITARY.

CELANESE US HOLDINGS LLC

5.337% SENIOR NOTES DUE 2029

No.[] €[]

Common No. 249752088 ISIN No. XS2497520887

CELANESE US HOLDINGS LLC, a Delaware limited liability company, for value received, promises to pay to USB NOMINEES (UK) LIMITED, or registered assigns, the principal sum of [] Euros (€[]) on January 19, 2029.

Interest Payment Dates: January 19, and on January 19, 2029.

Regular Record Dates: January 5

Additional provisions of this 2029 Note are set forth on the other side of this 2029 Note.

Exhibit A-2-1

IN WITNESS WHEREOF, the Issuer has caused this instrument to be duly executed.

CELANESE US HOLDINGS LLC

| | Ву: |
|----------------------|---------------|
| | Name: |
| | Title: |
| Dated: July 19, 2022 | |
| | |
| | Exhibit A-2-2 |

AUTHENTICATING AGENT'S CERTIFICATE OF AUTHENTICATION

This is one of the 2029 Notes of the series designated as 2029 Notes in the within-mentioned Indenture.

Dated: July 19, 2022

| U.S. | BANK TRUST | COMPANY, | NATIONAL A | ASSOCIATION |
|------|------------|----------|------------|-------------|
|------|------------|----------|------------|-------------|

as Authenticating Agent

By: Authorized Officer

Exhibit A-2-3

(Reverse of 2029 Note)

5.337% Senior Note due 2029

1. Interest

CELANESE US HOLDINGS LLC, a Delaware limited liability company (the "<u>Issuer</u>"), promises to pay interest on the principal amount of this 2029 Note at the rate per annum shown above, subject to adjustment as set forth in Section 2.4 of the Thirteenth Supplemental Indenture. The Issuer shall pay interest annually on January 19 of each year, commencing January 19, 2023, and on the final maturity date of the 2029 Notes. If such date is not a Business Day, interest will be paid to registered Holders on the next succeeding Business Day and no additional interest will be due as a result in accordance with Section 10.6 of the Base Indenture. Interest on the 2029 Notes shall accrue from the most recent date to which interest has been paid or duly provided for or, if no interest has been paid or duly provided for, from July 19, 2022 until the principal hereof is due. Interest shall be computed on the basis of the actual number of days in the period for which interest is being calculated and the actual number of days from and including the last date on which interest was paid on the 2029 Notes (or July 19, 2022, if no interest has been paid on the 2029 Notes), to but excluding the next scheduled interest payment date. The Issuer shall pay interest on overdue principal and premium, if any, at the rate borne by the 2029 Notes, and it shall pay interest on overdue installments of interest at the same rate to the extent lawful.

2. Method of Payment

The Issuer shall pay interest and additional amounts, if any, on the 2029 Notes (except defaulted interest) to the Persons who are registered Holders at the close of business on the January 5 next preceding the interest payment date even if 2029 Notes are canceled after the record date and on or before the interest payment date (whether or not a Business Day). Holders must surrender 2029 Notes to a Paying Agent to collect principal payments. The Issuer shall pay principal, premium, if any, and interest in money of the member states of the European Union that have adopted or that adopt the single currency in accordance with the treaty establishing the European Community, as amended by the Treaty on European Union, that at the time of payment is legal tender for payment of public and private debts. Payments in respect of the 2029 Notes represented by a Global Security (including principal, premium, interest and additional amounts, if any) shall be made by wire transfer of immediately available funds to the accounts specified by the Holders to the Paying Agent or the Issuer. The Issuer will make all payments in respect of a certificated 2026 Note (including principal, premium, interest and additional amounts, if any), at the office of each Paying Agent, except that, at the option of the Issuer, payment of interest may be made by mailing a check to the registered address of each Holder thereof. Such payment will be in Euros.

3. Paying Agent and Registrar

Initially, Elavon Financial Services DAC, UK Branch will act as Paying Agent and U.S. Bank Trust Company, National Association will act as Registrar. The Issuer may appoint and change any Paying Agent or Registrar without notice. The Issuer or any of its Subsidiaries may act as Paying Agent or Registrar.

4. Indenture

The Issuer issued the 2029 Notes under an Indenture, dated as of May 6, 2011 (the "Base Indenture"), among the Issuer, Celanese Corporation, a Delaware corporation (the "Parent Guarantor"), and Computershare Trust Company, N.A., as successor to Wells Fargo Bank, National Association, as trustee (the "Base Trustee") as amended with respect to the 2029 Notes by the Thirteenth Supplemental Indenture dated July 19, 2022 (the "Thirteenth Supplemental Indenture" and, together with the Base Indenture, the "Indenture"), among the Issuer, the guarantors party thereto (the "Guarantors"), the Base Trustee, U.S. Bank Trust Company, National Association, as Trustee, Registrar and Transfer Agent, Elavon Financial Services DAC, UK Branch (until such times as a successor may be appointed by the Issuer), as Paying Agent, which collectively constitutes the Indenture governing the 2029 Notes. The terms of the 2029 Notes include those stated in the Indenture and those made part of the Indenture by reference to the Trust Indenture Act of 1939, as amended as in effect on the date of the Indenture (the "TIA"). The 2029 Notes include all terms and provisions of the Indenture, and Holders are referred to the Indenture and the TIA for a statement of such terms and provisions. This 2029 Note is one of a series of securities designated as the 5.337% Senior Notes due 2029 of the Issuer. Capitalized terms used herein have the same meanings given in the Indenture unless otherwise indicated.

The aggregate principal amount at maturity of the 2029 Notes which may be authenticated and delivered under the Indenture shall be unlimited. In addition, the aggregate principal amount of Securities of any class or series which may be authenticated and delivered under the Indenture shall be unlimited, *provided* that such Securities shall rank equally with the 2029 Notes.

5. Optional Redemption

The 2029 Notes are subject to redemption as provided in Sections 3.2 and 3.4 of the Thirteenth Supplemental Indenture.

6. Special Mandatory Redemption

The 2029 Notes are subject to a Special Mandatory Redemption as provided in Section 3.3 of the Thirteenth Supplemental Indenture.

Sinking Fund

Except as provided in Section 3.3 of the Thirteenth Supplemental Indenture, the 2029 Notes are not entitled to the benefit of any mandatory redemption or sinking fund.

8. Denominations, Transfer, Exchange

The 2029 Notes are in fully registered form without coupons in minimum denominations of $\in 100,000$ and integral multiples of $\in 1,000$ in excess thereof. A registered Holder may transfer or exchange 2029 Notes in accordance with the Indenture. Upon any such transfer or exchange, the Registrar and the Trustee may require a Holder, among other things, to furnish appropriate endorsements or transfer documents. No service charge shall be made for any registration of transfer or exchange, but the Issuer or the Trustee may require the payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in connection therewith permitted by the Indenture. The Registrar need not register the transfer of or exchange any 2029 Notes selected for redemption (except, in the case of a 2029 Note to be redeemed in part, the portion of the 2029 Note not to be redeemed) or to transfer or exchange any 2029 Note for a period of 15 days prior to a selection of 2029 Notes to be redeemed.

9. Persons Deemed Owners

The registered Holder of this 2029 Note shall be treated as the owner of it for all purposes.

10. Unclaimed Money

Subject to any applicable abandoned property law, if money for the payment of principal or interest held by the Trustee or a Paying Agent remains unclaimed for two years, the Trustee or Paying Agent, as applicable, shall pay the money to the Issuer upon written request. Thereafter, Holders entitled to the money must look to the Issuer for payment as general creditors, and the Trustee and each Paying Agent shall have no further liability with respect to such monies.

11. Discharge and Defeasance

Subject to certain conditions and limitations set forth in the Indenture, the Issuer may terminate some of or all its obligations under the 2029 Notes and the Indenture if the Issuer deposits with the Trustee money or Euro-Denominated Designated Government Obligations for the payment of principal of, premium, interest and additional amounts, if any, on the 2029 Notes to redemption or maturity, as the case may be.

12. Modification and Waiver

Subject to certain exceptions set forth in the Indenture, the Indenture and the 2029 Notes may be amended, or default may be waived, with the consent of the Holders of a majority in principal amount of the outstanding 2029 Notes. Without notice to or the consent of any Holder, the Issuer and the Trustee may amend or supplement the Indenture or the 2029 Notes to, among other things, cure any ambiguity, defect or inconsistency.

13. Defaults and Remedies

If an Event of Default occurs (other than an Event of Default relating to certain events of bankruptcy, insolvency or reorganization of the Issuer set forth in the Indenture) and is continuing, the Trustee or the Holders of at least 25% in principal amount of the outstanding 2029 Notes (with a copy to the Trustee), in each case, by notice to the Issuer, may declare the principal of, premium, if any, and accrued but unpaid interest on all the 2029 Notes to be due and payable. If an Event of Default relating to certain events of bankruptcy, insolvency or reorganization of the Issuer occurs, the principal of, premium, if any, and interest on all the 2029 Notes shall become immediately due and payable without any declaration or other act on the part of the Trustee or any Holders. Under certain circumstances, the Holders of a majority in principal amount of the outstanding 2029 Notes may rescind any such acceleration with respect to the 2029 Notes and its consequences.

14. Trustee Dealings with the Issuer

Subject to certain limitations imposed by the TIA, the Trustee under the Indenture, in its individual or any other capacity, may become the owner or pledgee of 2029 Notes and may otherwise deal with and collect obligations owed to it by the Issuer or its Affiliates and, subject to the Indenture, may otherwise deal with the Issuer or its Affiliates with the same rights it would have if it were not Trustee.

Guarantees

The 2029 Note will be entitled to the benefits of certain Guarantees made for the benefit of the Holders. Reference is hereby made to the Indenture for a statement of the respective rights, limitations of rights, duties and obligations thereunder of the Guarantors, the Trustee and the Holders.

16. No Recourse Against Others

No director, officer, employee, incorporator or holder of any equity interests in the Issuer or any Guarantor shall have any liability for or any obligations, covenants or agreements of the Issuer or the Guarantors under the 2029 Notes or the Indenture or for any claim based thereon or otherwise in respect of, or by reason of, such obligations or their creation. By accepting a 2029 Note, each holder expressly waives and releases all such liability. The waiver and release are a condition of, and part of the consideration for, the execution of the Indenture and the issuance of the 2029 Notes.

17. Authentication

This 2029 Note shall not be valid until an authorized signatory of the Authenticating Agent manually signs the certificate of authentication on the other side of this 2029 Note.

18. Abbreviations

Customary abbreviations may be used in the name of a holder or an assignee, such as TEN COM (=tenants in common), TEN ENT (=tenants by the entireties), JT TEN (=joint tenants with rights of survivorship and not as tenants in common), CUST (=custodian), and U/G/M/A (=Uniform Gifts to Minors Act).

19. Governing Law

THE INDENTURE AND THIS 2029 NOTE SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE INTERNAL LAWS OF THE STATE OF NEW YORK.

20. Common Code and ISIN

Pursuant to a recommendation promulgated by the Committee on Uniform Security Identification Procedures, the Issuer has caused the Common Code and ISIN to be printed on this 2029 Note and has directed the Trustee to use the Common Code and ISIN in notices of redemption as a convenience to Holders. No representation is made as to the accuracy of such number either as printed on this 2029 Note or as contained in any notice of redemption and reliance may be placed only on the other identification numbers placed thereon.

The Issuer will furnish to any Holder of 2029 Notes upon written request and without charge to the Holder a copy of the Indenture and a copy of this 2029 Note.

ASSIGNMENT FORM

| To assign this 2029 Note, fill in | n the form below: | |
|-----------------------------------|--|--|
| I or we assign and transfer this | Security to | |
| | (Print or type assignee's name, address and | zip code) |
| | (Insert assignee's soc. sec. or tax I.D. | No.) |
| and irrevocably appoint | agent to transfer this 2029 Note on the books of the Issue | er. The agent may substitute another to act for him. |
| Date: | Your Signature: | (Sign exactly as your name appears on the face of this 2029 Note.) |
| | SIGNATURE GUARANTEE | |
| membership or participation in | naranteed by an "eligible guarantor institution" meeting the require the Security Transfer Agent Medallion Program (" <u>STAMP</u> ") or su or in substitution for, STAMP, all in accordance with the Securities | ich other "signature guarantee program" as may be determined |
| | Exhibit A-2-8 | |

OPTION OF HOLDER TO ELECT PURCHASE

| If you want to elect to have all or any part of this 2029 Note put check the box: □ | irchased by the Issuer purs | suant to Section 4.5 of the Thirteenth Supplemental Indenture, |
|--|------------------------------------|--|
| If you want to have only part of the 2029 Note purchased by the amount you elect to have purchased: | ne Issuer pursuant to Section | on 4.5 of the Thirteenth Supplemental Indenture, state the |
| € | | |
| (multiple of €1,000) | | |
| Date: | | |
| | Your Signature: | |
| | | (Sign exactly as your name appears on the face of this 2029 Note.) |
| SIGNA | ATURE GUARANTEE | |
| Signatures must be guaranteed by an "eligible guarantor institution" me participation in the Security Transfer Agent Medallion Program (" <u>STAN</u> Registrar in addition to, or in substitution for, STAMP, all in accordance | <u>AP</u> ") or such other "signat | ure guarantee program" as may be determined by the |
| | Exhibit A-2-9 | |

SCHEDULE OF INCREASES OR DECREASES IN GLOBAL SECURITY

| The initial principal amount of this Global Security is €[made: | | obal Security is €[|]. The following increases or decreases in this Global Security have been | | |
|--|---|--|--|--|--|
| Date of Exchange | Amount of decrease in Principal Amount of this Global Security | Amount of increase in Principal Amount of this Global Security | Principal Amount of this Global Security following such decrease or increase | Signature of authorized signatory of Trustee or Debt Securities Custodian | |
| | | | | | |

NOTATION OF SUBSIDIARY GUARANTEE

Each of the undersigned (the "Subsidiary Guarantors") hereby jointly and severally unconditionally guarantees, to the extent set forth in the Thirteenth Supplemental Indenture and subject to the provisions in the Indenture dated as of May 6, 2011 (the "Base Indenture"), among Celanese US Holdings LLC, a Delaware limited liability company (the "Issuer"), Celanese Corporation, a Delaware corporation and Computershare Trust Company, N.A., as successor to Wells Fargo Bank, National Association, as trustee ("Base Trustee"), as amended with respect to the Notes by the Thirteenth Supplemental Indenture dated July 14, 2022 (the "Thirteenth Supplemental Indenture"), among the Issuer, the guarantors party thereto (the "Guarantors"), the Base Trustee, U.S. Bank Trust Company, National Association, as trustee (the "Trustee"), registrar and transfer agent, and Elavon Financial Services DAC, UK Branch (until such time as a successor may be appointed by the Issuer), as paying agent, which collectively constitutes the indenture governing the Securities (the Base Indenture, as amended by the Thirteenth Supplemental Indenture, the "Indenture"), (a) the due and punctual payment of the principal of, premium, if any, and interest on the 20[26][29] Notes, when and as the same shall become due and payable, whether at maturity, by acceleration or otherwise, the due and punctual payment of interest on overdue principal of, premium, if any, and, to the extent permitted by law, interest on the 20[26][29] Notes, and the due and punctual performance of all other obligations of the Issuer to the Holders or the Trustee, and (b) in case of any extension of time of payment or renewal of any 20[26][29] Notes or any of such other obligations, that the same will be promptly paid in full when due or performed in accordance with the terms of the extension or renewal, whether at stated maturity, by acceleration or otherwise.

The obligations of the Subsidiary Guarantors to the Holders and to the Trustee pursuant to this Guarantee and the Indenture are expressly set forth in Article Six of the Thirteenth Supplemental Indenture, and reference is hereby made to the Indenture for the precise terms and limitations of this Guarantee. Each Holder of the 20[26][29] Note to which this Guarantee is endorsed, by accepting such 20[26][29] Note, agrees to and shall be bound by such provisions.

[Signatures on Following Pages]

Exhibit B-1

| l By: Name: Title: |] | |
|-----------------------------|---|--|
| Exhibit B-1 | | |
| | | |

IN WITNESS WHEREOF, each of the Subsidiary Guarantors has caused this Guarantee to be signed by a duly authorized officer.

NOTATION OF PARENT GUARANTEE

For value received, the Parent Guarantor hereby absolutely, unconditionally and irrevocably guarantees to the holder of this Security the payment of principal of, premium, if any, and interest on, the Security upon which this Parent Guarantee is set forth in the amounts and at the time when due and payable whether by declaration thereof, or otherwise, and interest on the overdue principal, premium, if any, and, to the extent lawful, interest, on such Security, to the holder of such Security and the Trustee on behalf of the Holders, all in accordance with and subject to the terms and limitations of such Security and Article XI of the Base Indenture. This Parent Guarantee will not become effective until the Trustee or Authenticating Agent duly executes the certificate of authentication on this Security. This Parent Guarantee shall be governed by and construed in accordance with the laws of the State of New York, without regard to conflict of law principles thereof.

| to conflict of law principles thereof. | | |
|--|----------------------|--|
| Dated: [] | | |
| | CELANESE CORPORATION | |
| | By: Name: Title: | |
| | Exhibit B-2 | |

GIBSON DUNN

Gibson, Dunn & Crutcher LLP

200 Park Avenue New York, NY 10166-0193 Tel 212 351 4000

Client: 19783-00065

July 19, 2022

Celanese Corporation Celanese US Holdings LLC 222 W. Las Colinas Blvd., Suite 900N Irving, TX 75039

Re: Celanese Corporation
Celanese US Holdings LLC
4.777% Senior Notes due 2026
5.337% Senior Notes due 2029
Registration Statement on Form S-3 (File No. 333-236294)

Ladies and Gentlemen:

We have acted as counsel to Celanese US Holdings LLC, a Delaware limited liability company (the "Company"), its parent, Celanese Corporation, a Delaware corporation (the "Parent Guarantor") and certain subsidiaries of the Company listed on Annex A hereto (collectively, the "Subsidiary Guarantors" and, together with the Parent Guarantor, the "Guarantors") in connection with the preparation and filing with the Securities and Exchange Commission (the "Commission") of a Registration Statement on Form S-3, file no. 333-236294 (the "Registration Statement"), under the Securities Act of 1933, as amended (the "Securities Act"), the prospectus included therein, the prospectus supplement, dated July 12, 2022, filed with the Commission on July 14, 2022 pursuant to Rule 424(b) of the Securities Act (the "Prospectus Supplement"), and the offering by the Company pursuant thereto of €1,000,000,000 aggregate principal amount of the Company's 4.777% Senior Notes due 2026 (the "2026 Notes") and €500,000,000 aggregate principal amount of the Company's 5.337% Senior Notes due 2029 (the "2029 Notes," together with the 2026 Notes, the "Notes").

The Notes have been issued pursuant to the Indenture (the "Base Indenture") dated as of May 6, 2011, among the Company, the Parent Guarantor and Wells Fargo Bank, National Association, as Trustee (the "Base Trustee"), as supplemented by the Thirteenth Supplemental Indenture relating to the Notes (the "Supplemental Indenture" and together with the Base Indenture, the "Indenture") dated as of July 19, 2022, among the Company, the Guarantors, U.S. Bank Trust Company, N.A., as trustee, registrar and transfer agent (the "Trustee"), Computershare Trust Company, N.A., as successor trustee to Wells Fargo Bank, National Association, as Base Trustee, and Elavon Financial Services DAC, UK Branch, as paying agent, and are guaranteed pursuant to the terms of the Indenture and the notation endorsed on the Notes by the Guarantors (the "Guarantees").

In arriving at the opinions expressed below, we have examined originals, or copies certified or otherwise identified to our satisfaction as being true and complete copies of the originals, of the Base Indenture, the Supplemental Indenture, the Notes and the Guarantees and such other documents, corporate records, certificates of officers of the Company and the Guaranters and of public officials and other instruments as we have deemed necessary or advisable to enable us to render these opinions. In our examination, we have assumed, without independent investigation, the genuineness of all signatures, the legal capacity and competency of all natural persons, the authenticity of all documents submitted to us as originals and the conformity to original documents of all documents submitted to us as copies. As to any facts material to these opinions, we have relied to the extent we deemed appropriate and without independent investigation upon statements and representations of officers and other representatives of the Company, the Guaranters and others.

Beijing · Brussels · Century City · Dallas · Denver · Dubai · Frankfurt · Hong Kong · Houston · London · Los Angeles · Munich New York · Orange County · Palo Alto · Paris · San Francisco · São Paulo · Singapore · Washington, D.C.

Celanese Corporation Celanese US Holdings LLC July 19, 2022 Page 2

Based upon the foregoing, and subject to the assumptions, exceptions, qualifications and limitations set forth herein, we are of the opinion that the Notes are legal, valid and binding obligations of the Company, enforceable against the Company in accordance with their respective terms, and the Guarantees of the Notes are legal, valid and binding obligations of the Guaranters obligated thereon, enforceable against such Guaranters in accordance with their respective terms

The opinions expressed above are subject to the following additional exceptions, qualifications, limitations and assumptions:

| A. We render no opinion herein as to matters involving the laws of any jurisdict | tion other than the State of New York, the State of |
|---|--|
| Texas and the United States of America and to the extent relevant for our opinions herein, the Delaware | General Corporation Law and the Delaware Limited |
| Liability Company Act. This opinion is limited to the effect of the current state of the laws of the State o | of New York, the State of Texas and the United States of |
| America and the Delaware General Corporation Law and the Delaware Limited Liability Company Act | and the facts as they currently exist. We assume no |
| obligation to revise or supplement this opinion in the event of future changes in such laws or the interpretation | etations thereof or such facts. |

| B. | The opinions above are subject to (i) the effect of any bankruptcy, insolvency, reorganization, moratorium, arrangement or similar |
|----------------------------|--|
| laws affecting the rights | and remedies of creditors' generally, including without limitation the effect of statutory or other laws regarding fraudulent transfers or |
| preferential transfers and | (ii) general principles of equity, including without limitation concepts of materiality, reasonableness, good faith and fair dealing and |
| the possible unavailabili | y of specific performance, injunctive relief or other equitable remedies regardless of whether enforceability is considered in a |
| proceeding in equity or a | t law. |

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C. We express no opinion regarding the effectiveness of (i) any waiver of stay, extension or usury laws or of unknown future rights, (ii) provisions relating to indemnification, exculpation or contribution, to the extent such provisions may be held unenforceable as contrary to public policy or federal or state securities laws, (iii) any provision that would require payment of any unamortized original issue discount (including any original issue discount effectively created by payment of a fee), (iv) any purported fraudulent transfer "savings" clause, (v) any provision waiving the right to object to venue in any court, (vi) any agreement to submit to the jurisdiction of any Federal court or (vii) any waiver of the right to jury trial.

We consent to the filing of this opinion as an exhibit to the Parent Guarantor's Current Report on Form 8-K, and we further consent to the use of our name under the caption "Validity of the Securities" in the Registration Statement and under the caption "Legal Matters" in the Prospectus Supplement. In giving these consents, we do not thereby admit that we are within the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Commission promulgated thereunder.

Very truly yours,

/s/ Gibson Dunn & Crutcher, LLP

ANNEX A

Subsidiary Guarantors

| Name | Form of Entity | Jurisdiction of Formation |
|--|---------------------------|---------------------------|
| Celanese Acetate LLC | Limited liability company | Delaware |
| Celanese Americas LLC | Limited liability company | Delaware |
| Celanese Chemicals, Inc. | Corporation | Delaware |
| Celanese Global Relocation LLC | Limited liability company | Delaware |
| Celanese International Corporation | Corporation | Delaware |
| Celanese Ltd. | Limited partnership | Texas |
| Celanese Sales U.S. Ltd. | Limited partnership | Texas |
| Celtran, Inc. | Corporation | Delaware |
| CNA Holdings LLC | Limited liability company | Delaware |
| KEP Americas Engineering Plastics, LLC | Limited liability company | Delaware |
| Ticona Fortron Inc. | Corporation | Delaware |
| Ticona LLC | Limited liability company | Delaware |
| Ticona Polymers, Inc. | Corporation | Delaware |

 $Beijing \cdot Brussels \cdot Century \ City \cdot Dallas \cdot Denver \cdot Dubai \cdot Frankfurt \cdot Hong \ Kong \cdot Houston \cdot London \cdot Los \ Angeles \cdot Munich \\ New \ York \cdot Orange \ County \cdot Palo \ Alto \cdot Paris \cdot San \ Francisco \cdot São \ Paulo \cdot Singapore \cdot Washington, \ D.C.$