
FOREIGN PRODUCERS'/EXPORTERS' QUESTIONNAIRE

HYDROFLUOROCARBON BLENDS AND COMPONENTS FROM CHINA

This questionnaire must be received by the Commission by **THURSDAY, JULY 9, 2015**

See last page for filing instructions.

The information called for in this questionnaire is for use by the United States International Trade Commission in connection with its antidumping investigations concerning hydrofluorocarbon blends and components ("HFC blends and components") from China (inv. No. 731-TA-1279 (Preliminary)). The information requested in the questionnaire is requested under the authority of the Tariff Act of 1930, title VII.

Name of firm _____

Address _____

Website _____

Has your firm produced or exported HFC blends and/or HFC components (as defined on next page) at any time since January 1, 2012?

NO (Sign the certification below and promptly return **only** this page of the questionnaire to the Commission)

YES (Complete all parts of the questionnaire, and return the entire questionnaire to the Commission)

Return questionnaire via the Commission Drop Box by clicking on the following link:
<https://dropbox.usitc.gov/oinv/>. (PIN: 1279)

CERTIFICATION

I certify that the information herein supplied in response to this questionnaire is complete and correct to the best of my knowledge and belief and understand that the information submitted is subject to audit and verification by the Commission.

By means of this certification I also grant consent for the Commission, and its employees and contract personnel, to use the information provided in this questionnaire and throughout this proceeding in any other import-injury proceedings conducted by the Commission on the same or similar merchandise.

I acknowledge that information submitted in this questionnaire response and throughout this proceeding may be used by the Commission, its employees, and contract personnel who are acting in the capacity of Commission employees, for developing or maintaining the records of this proceeding or related proceedings for which this information is submitted, or in internal audits and proceedings relating to the programs and operations of the Commission pursuant to 5 U.S.C. Appendix 3. I understand that all contract personnel will sign non-disclosure agreements.

Name of Authorized Official

Title of Authorized Official

Date

Signature

Phone: _____

Fax: _____

Email address

PART I.—GENERAL INFORMATION

Background. This proceeding was instituted in response to a petition filed on June 25, 2015, by The American HFC Coalition and its members (Amtrol, Inc., West Warwick, Rhode Island; Arkema, Inc., King of Prussia, Pennsylvania; The Chemours Company FC LLC, Wilmington, Delaware; Honeywell International Inc., Morristown, New Jersey; Hudson Technologies, Pearl River, New York; Mexichem Fluor Inc., St. Gabriel, Louisiana; Worthington Industries, Inc., Columbus, Ohio) and District Lodge 154 of the International Association of Machinists and Aerospace Workers (“IAMAW”). Antidumping duties may be assessed on the subject imports as a result of these proceedings if the Commission makes an affirmative determination of injury, threat, or material retardation, and if the U.S. Department of Commerce makes an affirmative determination of dumping. Questionnaires and other information pertinent to this proceeding are available at http://wwwadmin.usitc.gov/investigations/title_7/2015/hydrofluorocarbon_blends_and_components_china/preliminary.htm.

Certain hydrofluorocarbon and components: The HFC blends and components covered by this investigation are: blended hydrofluorocarbons (“HFCs”) and single HFC components of those blends thereof, whether or not imported for blending, including the following:

HFC blends covered by the scope of these investigations:

(1) R-404A: a zeotropic mixture consisting of 52 percent 1,1,1-Trifluoroethane, 44 percent by weight Pentafluoroethane, and 4 percent 1,1,1,2-Tetrafluoroethane.

R-404A is sold under various trade names, including Forane® 404A, Genetron® 404A, Solkane® 404A, Klea® 404A, and Suva® 404A.

(2) R-407A: a zeotropic mixture of 20 percent Difluoromethane, 40 percent Pentafluoroethane, and 40 percent 1,1,1,2-Tetrafluoroethane.

R-407A is sold under various trade names, including Forane® 407A, Solkane® 407A, Klea® 407A, and Suva® 407A.

(3) R-407C: a zeotropic mixture of 23 percent Difluoromethane, 25 percent Pentafluoroethane, and 52 percent 1,1,1,2-Tetrafluoroethane.

R-407C is sold under various trade names, including Forane® 407C, Genetron® 407C, Solkane® 407C, Klea® 407C and Suva® 407C.

(4) R-410A: a zeotropic mixture of 50 percent Difluoromethane and 50 percent Pentafluoroethane.

R-410A is sold under various trade names, including EcoFluor R410, Forane® 410A, Genetron® R410A and AZ-20, Solkane® 410A, Klea® 410A, Suva® 410A, and Puron®.

(5) R-507A: an azeotropic mixture of 50 percent Pentafluoroethane and 50 percent 1,1,1-Trifluoroethane also known as R-507.

R-507A is sold under various trade names, including Forane® 507, Solkane® 507, Klea®507, Genetron®AZ-50, and Suva®507.

The foregoing percentages are nominal percentages by weight. Actual percentages of single component refrigerants by weight may vary by plus or minus two percent points from the nominal percentage identified above.

HFC components covered by the scope of these investigations ("Covered HFC components")

The subject merchandise also includes the following single component hydrofluorocarbons used to produce the foregoing blends:

(6) R-32 or Difluoromethane has the chemical formula CH_2F_2 , and is registered as CAS No. 75-10-5. It may also be known HFC-32, FC-32, Freon-32, Methylene difluoride, Methylene fluoride, Carbon fluoride hydride, halocarbon R32, fluorocarbon R32, and UN 3252.

R-32 is sold under various trade names, including Solkane®32, Forane®32, and Klea®32.

(7) R-125 or 1,1,1,2,2-Pentafluoroethane has the chemical formula CF_3CHF_2 and is registered as CAS No. 354-33-6. R-125 may also be known as R-125, HFC-125, Pentafluoroethane, Freon 125, and Fc-125, R-125.

R-125 is sold under various trade names, including Solkane®125, Klea®125, Genetron®125, and Forane®125.

(8) R-143a or 1,1,1-Trifluoroethane has the chemical formula CF_3CH_3 and is registered as CAS No. 420-46-2. R-143a may also be known as R-143a, HFC-143a, Methylfluoroform, 1,1,1-Trifluoroform, and UN2035.

R-143a is sold under various trade names, including Solkane®143a, Genetron®143a, and Forane®125.

HFC blends and components excluded from the scope of these investigations

Excluded from this investigation are:

(1) Blends of refrigerant chemicals that include products other than HFCs, such as blends including chlorofluorocarbons (CFCs) or hydrochlorofluorocarbons (HCFCs).

(2) Patented HFC blends, such as ISCEON® blends, including include MO99™ (RR-438A), MO79 (R-422A), MO59 (R-417A), MO49Plus™ (R-437A) and MO29™ (R-422D), and Genetron® Performax™ LT (R-407F).

(3) HFC component R-134a.

HFC blends covered by the scope of this investigation are currently classified in the Harmonized Tariff Schedule of the United States ("HTS") at subheading 3824.78.0000. Component single HFCs are currently classified at subheading 2903.39.2030, HTSUS. Although the HTSUS subheading and CAS

registry number are provided for convenience and customs purposes, the written description of the scope is dispositive.

Reporting of information.-- If information is not readily available from your records, provide carefully prepared estimates. If your firm is completing more than one questionnaire (i.e., a producer, importer, purchaser and/or foreign producer questionnaire), you need not respond to duplicated questions.

Confidentiality.--The commercial and financial data furnished in response to this questionnaire that reveal the individual operations of your firm will be treated as confidential by the Commission to the extent that such data are not otherwise available to the public and will not be disclosed except as may be required by law (*see* 19 U.S.C. §1677f). Such confidential information will not be published in a manner that will reveal the individual operations of your firm; however, general characterizations of numerical business proprietary information (such as discussion of trends) will be treated as confidential business information only at the request of the submitter for good cause shown.

Verification.--The information submitted in this questionnaire is subject to audit and verification by the Commission. To facilitate possible verification of data, please keep all files, worksheets, and supporting documents used in the preparation of the questionnaire response. Please also retain a copy of the final document that you submit.

Release of information.--The information provided by your firm in response to this questionnaire, as well as any other business proprietary information submitted by your firm to the Commission in connection with this proceeding, may become subject to, and released under, the administrative protective order provisions of the Tariff Act of 1930 (19 U.S.C. § 1677f) and section 207.7 of the Commission's Rules of Practice and Procedure (19 CFR § 207.7). This means that certain lawyers and other authorized individuals may temporarily be given access to the information for use in connection with this proceeding or other import-injury proceedings conducted by the Commission on the same or similar merchandise; those individuals would be subject to severe penalties if the information were divulged to unauthorized individuals.

I-1. **OMB statistics.**--Please report below the actual number of hours required and the cost to your firm of completing this questionnaire.

Hours	Dollars

The questions in this questionnaire have been reviewed with market participants to ensure that issues of concern are adequately addressed and that data requests are sufficient, meaningful, and as limited as possible. Public reporting burden for this questionnaire is estimated to average 20 hours per response, including the time for reviewing instructions, gathering data, and completing and reviewing the questionnaire.

We welcome comments regarding the accuracy of this burden estimate, suggestions for reducing the burden, and any suggestions for improving this questionnaire. Please attach such comments to your response or send to the Office of Investigations, USITC, 500 E St. SW, Washington, DC 20436.

I-2. **Establishments covered.**--Provide the name and address of establishment(s) covered by this questionnaire. If your firm is publicly traded, please specify the stock exchange and trading symbol.

“Establishment”--Each facility of a firm in China involved in the production or export of HFC blends and/or HFC components, including auxiliary facilities operated in conjunction with (whether or not physically separate from) such facilities. Firms operating more than one establishment in China should combine the data for all establishments into a single report.

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I-3. **Related U.S. producers.**--Does your firm or any related firm produce, have the capability to produce, or have any plans to produce HFC blends and/or HFC components in the United States or other countries?

No Yes--Please name the firm(s) and country(ies) below and, if U.S. producer(s), ensure that they complete the Commission's producer questionnaire.

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I-4. **Related U.S. importers.**--Does your firm or any related firm import or have any plans to import HFC blends and/or HFC components into the United States?

- No Yes--Please name the firm(s) below and ensure that they complete the Commission's importer questionnaire.

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I-5. **U.S. importers.**--Please provide the names, street addresses (not P.O. boxes), contacts, telephone numbers, and e-mail addresses of the **FIVE** largest U.S. importers of your firm's HFC blends and/or HFC components in 2014.

	Importer's name	Contact person	Email	Telephone	Street address (not P.O. box), city, state, and zip code	Share of your firm's 2014 U.S. exports (%)
1					Street Address City ' State Zip Code	
2					Street Address City ' State Zip Code	
3					Street Address City ' State Zip Code	
4					Street Address City ' State Zip Code	
5					Street Address City ' State Zip Code	

PART II.--TRADE AND RELATED INFORMATION

Further information on this part of the questionnaire can be obtained from Joanna Lo (202-205-1888, joanna.lo@usitc.gov). **Supply all data requested on a calendar-year basis.**

II-1. **Contact information.**-- Please identify the responsible individual and the manner by which Commission staff may contact that individual regarding the confidential information submitted in part II.

Name	
Title	
Email	
Telephone	
Fax	

II-2. **Changes in operations.**--Please indicate whether your firm has experienced any of the following changes in relation to the production of HFC blends and/or HFC components since January 1, 2012.

<i>(check as many as appropriate)</i>		<i>(please describe)</i>
<input type="checkbox"/>	plant openings	
<input type="checkbox"/>	plant closings	
<input type="checkbox"/>	relocations	
<input type="checkbox"/>	expansions	
<input type="checkbox"/>	acquisitions	
<input type="checkbox"/>	consolidations	
<input type="checkbox"/>	prolonged shutdowns or production curtailments	
<input type="checkbox"/>	revised labor agreements	
<input type="checkbox"/>	other (<i>e.g.</i> , technology)	

II-3. **Anticipated changes in operations.**--Does your firm anticipate any changes in the character of its operations or organization (as noted above) relating to the production of HFC blends and/or HFC components in the future?

No

Yes--Supply details as to the time, nature, and significance of such changes and provide underlying assumptions, along with relevant portions of business plans or other supporting documentation that address this issue. **Include in the response a specific projection of your firm's capacity to produce HFC blends and/or HFC components (in short tons) for 2015 and 2016.**

II-4a. **Overall capacity and production.**-- Please report your firm's production of HFC blends and/or HFC components made on the same equipment and machinery used to produce HFC components and HFC blends, and the combined production capacity on this shared equipment and machinery in the periods indicated.

"Average production capacity" or "capacity" --The level of production that your establishment(s) could reasonably have expected to attain during the specified periods for all HFC blends and/or HFC components manufactured in that establishment using the same manufacturing equipment. Assume normal operating conditions (i.e., using equipment and machinery in place and ready to operate; normal operating levels (hours per week/weeks per year) and time for downtime, maintenance, repair, and cleanup; and a typical or representative product mix).

"Production" --All production in your establishment(s) in China, including production consumed internally within your firm.

Quantity (in short tons)					
Item	Calendar years			January-March	
	2012	2013	2014	2014	2015
Machinery and equipment used to produce <u>HFC components</u>:					
Overall production capacity					
Production of: HFC components ¹	0	0	0	0	0
Other products ²					
Total	0	0	0	0	0
Machinery and equipment used to produce <u>HFC blends</u>:					
Overall production capacity					
Production of: HFC blends ¹	0	0	0	0	0
Other products ²					
Total	0	0	0	0	0
¹ Data entered for production will populate here once reported in question II-10. ² Please identify these products: _____.					

II-4b. **Operating parameters.**--The production capacity reported in II-4a is based on operating ____ hours per week, ____ weeks per year.

II-4c. **Capacity calculation.**--Please describe the methodology used to calculate overall production capacity reported in II-4a, and explain any changes in reported capacity.

II-4d. **Production constraints.**--Please describe the constraint(s) that set the limit(s) on your firm's production capacity.

II-3e. **Type of operation of HFC components.**— (a) Since January 1, 2012, did your firm produce one or more of the following HFC components: R-32, R-125, R-134a, and R-143a?

No Yes—continue to part (b)

(b) Since January 1, 2012, which of the following HFC components does your firm produce (check all that apply)?

R-32 R-125 R-134a R-143a

(c) Is your firm able to switch production from one HFC component to another HFC component?

No Yes-- (i.e., have produced different HFC components on using the same equipment and/or labor).

(d) Please describe the factors that affect your firm's ability to shift production capacity between HFC components (e.g., time, cost, relative price change, etc.), and the degree to which these factors enhance or constrain such shifts.

II-3h. **Product shifting HFC components and other products.**—

(e) Is your firm able to switch production (capacity) between HFC components and other products using the same equipment and/or labor?

No Yes-- (i.e., have produced other products or are able to produce other products). Please identify other actual or potential products: _____.

(f) Please describe the factors that affect your firm's ability to shift production capacity between products (e.g., time, cost, relative price change, etc.), and the degree to which these factors enhance or constrain such shifts.

II-3i. **Type of operation of HFC blends.**-- (a) Since January 1, 2012, did your firm produce one or more of the following HFC blends: R-404A, R-407A, R-407C, R-410A, and R-507A?

No Yes—continue to part (b) and provide data on these operations in question II-8

(b) Since January 1, 2012, which of the following HFC blends does your firm produce (check all that apply)?

R-404A R-407A R-407C R-410A R-507A

Is your firm able to switch production from one HFC blend to another HFC blend?

No Yes-- (i.e., have produced different HFC blend on using the same equipment and/or labor).

(f) Please describe the factors that affect your firm's ability to shift production capacity between HFC blends (e.g., time, cost, relative price change, etc.), and the degree to which these factors enhance or constrain such shifts.

II-3j. **Product shifting HFC blends and other products.**—

(e) Is your firm able to switch production (capacity) between HFC blends and other products using the same equipment and/or labor?

No Yes-- (i.e., have produced other products or are able to produce other products). Please identify other actual or potential products: _____.

(f) Please describe the factors that affect your firm's ability to shift production capacity between products (e.g., time, cost, relative price change, etc.), and the degree to which these factors enhance or constrain such shifts.

II-5. **Share of sales.**--What percentage of your firm's total sales in its most recent fiscal year was represented by sales of HFC blends and/or HFC components? _____ percent.

II-6. **Firm's estimated share of production in China.**--Please estimate the percentage of total production of HFC blends and/or HFC components in China accounted for by your firm's production in 2014. _____ percent.

II-7. **Firm's estimated share of country's exports.**--Please estimate the percentage of total exports to the United States of HFC blends and/or HFC components from China accounted for by your firm's exports in 2014. _____ percent.

II-8. **Inventories in the United States.**--Has your firm, since 2012, maintained any inventories of HFC blends and/or HFC components in the United States (not including inventories held by firms identified in question I-3)?

"Inventories"--Finished goods inventory, not raw materials or work in progress.

No Yes--Report the quantity of such end-of-period inventories below.

Quantity (in short tons)			
Item	Calendar year		
	2012	2013	2014
Inventory			

II-9. **Third country trade actions.**--Are the HFC blends and/or HFC components exported by your firm subject to antidumping/countervailing duty/safeguard findings, remedies, or proceedings?

No Yes--List the product(s), countries affected, and the date of such findings/remedies/proceedings.

- II-10. **Trade data.**--Report your firm's production capacity, production, shipments, and inventories related to the production of HFC components and HFC blends in your establishment(s) in China during the specified periods.

Do not submit data by manufacturing facility if they are in the same country. If your firm has multiple manufacturing establishments within one country, you are required to combine data for those establishments within one foreign producer questionnaire response.

"Shipments"--Shipments of HFC blends and/or HFC components produced in your establishment(s) in China. Quantities reported should be net of returns.

"Home market commercial shipments"--Shipments, other than internal consumption and transfers to related firms, within China.

"Home market internal consumption/transfers to related firms"--Shipments made to related firms in China, including HFC blends and/or HFC components consumed internally by your firm.

"Export shipments"--Shipments to destinations outside China, including shipments to related firms.

"Inventories"--Finished goods inventory, not raw materials or work-in-progress.

Note: As requested in Part I of this questionnaire, please keep all supporting documents/records used in the preparation of the trade data, as Commission staff may contact your firm regarding questions on the trade data. The Commission may also request that your company submit copies of the supporting documents/records (such as production and sales schedules, inventory records, etc.) used to compile these data.

II-10. **Trade data**--Continued.

- (a) **Operations on HFC components** (as identified in question II-3e). Report your firm's production capacity, production, shipments, and inventories related to the production of HFC components in your establishment(s) in China during the specified periods.

HFC components

Quantity (in short tons)							
Item	Actual experience					Projections ¹	
	Calendar year			January-March		Calendar year	
	2012	2013	2014	2014	2015	2015	2016
Average production capacity ² (A)							
Beginning-of-period inventories (B)							
Production (C)							
Home market shipments: Internal consumption to produce HFC blends (D)							
Internal consumption other than to produce HFC blends / transfers to related firms (E)							
Commercial shipments (F)							
Exports to the United States (G)							
Exports to all other markets ³ (H)							
Total exports (I) (should equal G+H)	0	0	0	0	0	0	0
Total shipments (J) (should equal D+E+F+G + H)	0	0	0	0	0	0	0
End-of-period inventories (K)							
¹ Please explain the basis for your firm's projections. _____. ² The production capacity reported is based on operating _____ hours per week, _____ weeks per year. Please describe the methodology used to calculate production capacity, and explain any changes in reported capacity. _____. ³ Identify principal other export markets for HFC components. _____.							

***RECONCILIATION OF SHIPMENTS, PRODUCTION, AND INVENTORY.**--Generally, the data reported for the end-of-period inventories (i.e., line K) should be equal to the beginning-of-period inventories (i.e., line B), plus production (i.e., line C), less total shipments (i.e., lines D, E, F, G, and H). Please ensure that any differences are not due to data entry errors in completing this form, but rather actually reflect your firm's records; and also provide any likely explanations for any differences (e.g., theft, loss, damage, record systems issues, etc.) if they exist.*

Item	Actual experience					Projections	
	Calendar year			January-March		Calendar year	
	2012	2013	2014	2014	2015	2015	2016
B + C – D – E – F – G – H - K = should equal zero ("0") or provide an explanation. ¹	0	0	0	0	0	0	0
¹ Explanation if the calculated fields above are returning values other than zero (i.e., "0") but are nonetheless accurate.							

- (b) **Operations on HFC blends**(as identified in question II-3i). Report your firm's production capacity, production, shipments, and inventories related to the production of HFC blends in your establishment(s) in China during the specified periods.

HFC blends

Quantity (in short tons)							
Item	Actual experience					Projections ¹	
	Calendar year			January-March		Calendar year	
	2012	2013	2014	2014	2015	2015	2016
Average production capacity ² (A)							
Beginning-of-period inventories (B)							
Production (C)							
Home market shipments: Internal consumption / transfers to related firms (D)							
Commercial shipments (E)							
Exports to the United States (F)							
Exports to all other markets ³ (G)							
Total exports (H) (should equal F+G)	0	0	0	0	0	0	0
Total shipments (I) (should equal D+E+F+G)	0	0	0	0	0	0	0
End-of-period inventories (J)							
<p>¹ Please explain the basis for your firm's projections. _____.</p> <p>² The production capacity reported is based on operating _____ hours per week, _____ weeks per year. Please describe the methodology used to calculate production capacity, and explain any changes in reported capacity. _____.</p> <p>³ Identify principal other export markets for HFC components. _____.</p>							

RECONCILIATION OF SHIPMENTS, PRODUCTION, AND INVENTORY.--Generally, the data reported for the end-of-period inventories (i.e., line J) should be equal to the beginning-of-period inventories (i.e., line B), plus production (i.e., line C), less total shipments (i.e., lines D, E, F, and G). Please ensure that any differences are not due to data entry errors in completing this form, but rather actually reflect your firm's records; and also provide any likely explanations for any differences (e.g., theft, loss, damage, record systems issues, etc.) if they exist.

Item	Actual experience					Projections	
	Calendar year			January-March		Calendar year	
	2012	2013	2014	2014	2015	2015	2016
B + C – D – E – F – G – J = should equal zero ("0") or provide an explanation. ¹	0	0	0	0	0	0	0
¹ Explanation if the calculated fields above are returning values other than zero (i.e., "0") but are nonetheless accurate.							

II-11. **Other explanations.**--If your firm would like to further explain a response to a question in Part II that did not provide a narrative box, please note the question number and the explanation in the space provided below. Please also use this space to highlight any issues your firm had in providing the data in this section, including but not limited to technical issues with the MS Word questionnaire.

HOW TO FILE YOUR QUESTIONNAIRE RESPONSE

This questionnaire is available as a “fillable” form in MS Word format on the Commission’s website at:

http://wwwadmin.usitc.gov/investigations/title_7/2015/hydrofluorocarbon_blends_and_components_china/preliminary.htm

Please do not attempt to modify the format or permissions of the questionnaire document. Please submit the completed questionnaire using one of the methods noted below. If your firm is unable to complete the MS Word questionnaire or cannot use one of the electronic methods of submission, please contact the Commission for further instructions.

- **Upload via Secure Drop Box.**—Upload the MS Word questionnaire along with a scanned copy of the signed certification page (page 1) through the Commission’s secure upload facility:

Web address: <https://dropbox.usitc.gov/oinv/> **Pin: 1279**

- **E-mail.**—E-mail your questionnaire to joanna.lo@usitc.gov and include a scanned copy of the signed certification page (page 1). *Please note that submitting your questionnaire by e-mail may subject your firm’s business proprietary information to transmission over an unsecure environment and to possible disclosure. If you choose this option, the Commission warns you that any risk involving possible disclosure of such information is assumed by the submitter and not by the Commission.*

If your firm did not produce or export any HFC blends or HFC components, please fill out page 1, print, sign, and submit a scanned copy to the Commission.

Parties to this proceeding.—If your firm is a party to this proceeding, you are required to serve a copy of the completed questionnaire on parties to the proceeding that are subject to administrative protective order (see 19 CFR § 207.7). A list of such parties may be obtained from the Commission’s Secretary (202-205-1803). A certificate of service must accompany the completed questionnaire you submit (see 19 CFR § 207.7). Service of the questionnaire must be made in paper form.