

## U.S. IMPORTERS' QUESTIONNAIRE

### HYDROFLUOROCARBONS BLENDS AND COMPONENTS FROM CHINA

This questionnaire must be received by the Commission by **THURSDAY, APRIL 28, 2016.**

*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 investigation concerning hydrofluorocarbon blends and components from China (inv. No. 731-TA-1279 (Final)). The information requested in the questionnaire is requested under the authority of the Tariff Act of 1930, title VII. This report is mandatory and failure to reply as directed can result in a subpoena or other order to compel the submission of records or information in your firm's possession (19 U.S.C. § 1333(a)).

<p><b>Name of firm</b> _____</p> <p><b>Address</b> _____</p> <p><b>City</b> _____ <b>State</b> _____ <b>Zip Code</b> _____</p> <p><b>Website</b> _____</p> <p>1. Has your firm imported any in-scope HFC components <b>R-32, R-125, or R-143a</b>, out-of-scope HFC component <b>R-134a</b>, or any in-scope HFC blends <b>R-404A, R-407A, R-407C, R-410A, and R-507A</b> from any source since January 1, 2013?</p> <p><input type="checkbox"/> <b>YES</b> (Complete all parts of the questionnaire, and return the entire questionnaire to the Commission)</p> <p><input type="checkbox"/> <b>NO</b> (Proceed to question 2)</p> <p>2. Has your firm imported any out-of-scope refrigerant blend that uses an in-scope HFC component (see pp. 2-3 for definitions) from any source since January 1, 2013?</p> <p><input type="checkbox"/> <b>YES--</b>(Only complete parts I and IV on pp. 5-9 and 51-55 of this questionnaire)</p> <p><input type="checkbox"/> <b>NO--</b>(Sign the certification below and promptly return <b>only</b> this page of the questionnaire to the Commission)</p> <p><b>Return questionnaire via the U.S. International Trade Commission Drop Box by clicking on the following link: <a href="https://dropbox.usitc.gov/oinv/">https://dropbox.usitc.gov/oinv/</a>. (PIN: 1279)</b></p>
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#### 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. Antidumping duties may be assessed on the subject imports as a result of this proceeding 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:

[https://www.usitc.gov/investigations/701731/2016/hydrofluorocarbon\\_blends\\_and\\_components\\_china/final.htm](https://www.usitc.gov/investigations/701731/2016/hydrofluorocarbon_blends_and_components_china/final.htm)

***Certain hydrofluorocarbon blends and components:*** The products covered by these investigations are blended hydrofluorocarbons ("HFCs") and single HFC components of those blends thereof, whether or not imported for blending, including the following:

***HFC components covered by the scope of this investigation:***

**(1) R-32** or "Difluoromethane" has the chemical formula  $\text{CH}_2\text{F}_2$ , and is registered as CAS No. 75-10-5. It may also be known as 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<sup>®</sup>32, Forane<sup>®</sup>32, and Klea<sup>®</sup>32.

**(2) R-125** or "1,1,1,2,2-Pentafluoroethane" has the chemical formula  $\text{CF}_3\text{CHF}_2$  and is registered as CAS No. 354-33-6. R-125 may also be known as HFC-125, Pentafluoroethane, Freon 125, and Fc-125.

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

**(3) R-143a** or "1,1,1-Trifluoroethane" has the chemical formula  $\text{CF}_3\text{CH}_3$  and is registered as CAS No. 420-46-2. R-143a may also be known as HFC-143a, Methylfluoroform, 1,1,1-Trifluoroform, and UN2035.

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

**HFC blends covered by the scope of this investigation:**

**(1) R-404A:** a zeotropic mixture consisting of 52 percent R-143a, 44 percent by weight R-125, and 4 percent 1,1,1,2-Tetrafluoroethane ("R-134a").

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 R-32, 40 percent R-125, and 40 percent R-134a.

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 R-32, 25 percent R-125, and 52 percent R-134a.

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 R-32 and 50 percent R-125.

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 R-125 and 50 percent R-143a 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.

**Products excluded from the scope of this investigation:**

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 MO99™ (RR-438A), MO79 (R-422A), MO59 (R-417A), MO49Plus™ (R-437A) and MO29™ (R-422D), and Genetron® Performax™ LT (R-407F), Choice® R-421A, and Choice® R-421B.

(3) HFC component R-134a.

HFC blends included in the scope of this investigation are currently classified in the Harmonized Tariff Schedule of the United States ("HTS") in statistical reporting numbers 3824.78.0020 and 3824.78.0050.<sup>1</sup> Single component HFCs included in the scope of this investigation are currently classified at statistical reporting number 2903.39.2035.<sup>2</sup> Although the HTSUS statistical reporting numbers and CAS registry numbers are provided for convenience and customs purposes, the written description of the scope is dispositive.

**Practical terminology for products in this questionnaire (in addition to the legal definitions)**

**Components**

- **In-scope HFC components** = three (3) components, R-32, R-125, and R-143a.
- **Out-of-scope HFC component** = one (1) component, R-134a.<sup>3</sup>
- **HFC components** = four (4) components, R-32, R-125, R-143a, and R-134a.

**Blends**

- **In-scope HFC blends** = five (5) blends, R-404A, R-407A, R-407C, R-410A, and R-507A.
- **Out-of-scope refrigerant blends** = any blend that uses at least one in-scope HFC component and is not part of the "in-scope HFC blends" listed above. These include all other HFC blends, including HFC, HCFC, and HFO blends. This includes proprietary and patented refrigerant blends. See question IV-5 for a list of various out-of-scope refrigerant blends.

**Importer.**--Any person or firm engaged, either directly or through a parent company or subsidiary, in importing in-scope HFC components (R-32, R-125, R-143a) and/or HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) into the United States from a foreign manufacturer or through its selling agent.

**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, and/or purchaser 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.

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<sup>1</sup> Prior to 2016, HFC blends were classified in HTS statistical reporting number 3824.78.0020.

<sup>2</sup> Prior to 2016, single component HFCs were classified in HTS statistical reporting numbers 2903.39.2030.

<sup>3</sup> With the exception of questions in sections II-4a and II-4 on your firm's ability to shift from in-scope to out-of-scope components and blends, discussion and data for out-of-scope HFC component refer only to R-134a.

**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 40 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 involved in the importation of HFC components (R-32, R-125, R-143a, and R-134a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A), including auxiliary facilities operated in conjunction with (whether or not physically separate from) such facilities.

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I-3. **Ownership.**--Is your firm owned, in whole or in part, by any other firm?

No             Yes--List the following information

Firm name	Address	Extent of ownership (percent)

I-4. **Related importers/exporters.**--Does your firm have any related firms, either domestic or foreign, that are engaged in importing HFC components (R-32, R-125, R-143a, and R-134a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) from China into the United States or that are engaged in exporting HFC components (R-32, R-125, R-143a, and R-134a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) from China to the United States?

No             Yes--List the following information.

Firm name	Address	Affiliation

I-5. **Related producers.**--Does your firm have any related firms, either domestic or foreign, that are engaged in the production of HFC components (R-32, R-125, R-143a, and R-134a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A)?

No             Yes--List the following information.

Firm name	Address	Affiliation

I-6. **Importing operations.**--Please indicate the nature of your firm's importing operations for HFC components (R-32, R-125, R-143a, and R-134a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A). More than one answer may be applicable.

Importer of record	Takes title to the imported HFC blends and/or component(s)	Consignee of the imported HFC blends and /or component(s)	Customs broker or freight forwarder
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

I-7. **Consignee.**--If your firm is an importer of record of HFC components (R-32, R-125, R-143a, and R-134a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) but is not the consignee, please list the consignees below (firm name, address, telephone number, and individual to contact).

Firm name	Address	Contact person and phone number

I-8. **FTZ, TIB, or bonded warehouses.**--Please indicate whether your firm enters HFC components (R-32, R-125, R-143a, and R-134a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) into, or withdraws such merchandise from, foreign trade zones or bonded warehouses. Also indicate whether your firm imports in-scope HFC blends or HFC components under the TIB (temporary importation under bond) program.

**“Foreign trade zone”** is a designated location in the United States where firms utilize special procedures that allow delayed or reduced customs duty payments on foreign merchandise, as well as other savings. A foreign trade zone must be designed as such pursuant to the rules and procedures set forth in the Foreign-Trade Zones Act.

**“Bonded warehouse”** is a secured facility supervised by U.S. customs, where dutiable landed imports are stored pending their re-export, or release after payment of import duties, taxes, and other charges. A bonded warehouse must be designed as such pursuant to the rules and procedures set forth in 19 U.S. Code § 1555.

**“Temporary Importation under Bond (“TIB”) program”** is a procedure whereby imported merchandise may be entered under certain conditions for a limited time into the United States free of duty. Under the program, an importer posts a bond for twice the amount of duty, taxes, etc. that would otherwise be owed on the importation and agrees to export or destroy the merchandise within a specified time or pay liquidated damages. This program is restricted to certain categories of merchandise listed in subheadings 9813.00.05 through 9813.00.75 of the Harmonized Tariff Schedule of the United States(HTS).

Program	No	Yes
Foreign trade zones	<input type="checkbox"/>	<input type="checkbox"/>
Bonded warehouses	<input type="checkbox"/>	<input type="checkbox"/>
Temporary importation under bond	<input type="checkbox"/>	<input type="checkbox"/>

I-9. **Third-country trade activities.**--To your knowledge, have the HFC components (R-32, R-125, R-143a, and R-134a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) subject to this proceeding been the subject of any other import relief proceedings in the United States or in any other countries?

No             Yes--Please specify.



I-10. **In-scope HFC blends under previous patent protection.**--From 2000 to 2011, please check whether your firm imported any of the following in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) prior to the expiration of their patents in 2010 and 2011 (check all that apply)?

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

Please describe your firm's ability to import any of the in-scope HFC blends while they were under patent protection (include information on any licensing arrangements).

**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](mailto: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	

**Definitions**

**"Imports"** --Those HFC components (R-32, R-125, R-143a, and R-134a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) identified for Customs purposes as imports for consumption for which your firm was the importer of record (i.e., was responsible for paying any import duty) or consignee (i.e., to which the merchandise was first delivered).

**"Import quantities"** --Quantities reported should be net of returns.

**"Import values"** --Values reported should be landed, duty-paid values at the U.S. port of entry, including ocean freight and insurance costs, brokerage charges, and import duties (i.e., all charges except inland freight in the United States).

**"U.S. commercial shipments"**--Shipments made within the United States as a result of an arm's length commercial transaction in the ordinary course of business. Report net values (i.e., gross sales values less all discounts, allowances, rebates, prepaid freight, and the value of returned goods) in U.S. dollars, f.o.b. your point of shipment.

**"Internal consumption"**--HFC components (R-32, R-125, R-143a, and R-134a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A)consumed internally by your firm.

**"Transfers to related firms"** --Shipments made to related domestic firms. Such transactions are valued at fair market value.

**"Related firm"** --A firm that your firm solely or jointly owns, manages, or otherwise controls. Such transactions are valued at fair market value.

**"Export shipments"** -- Shipments to destinations outside the United States, 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-2. **Changes in operations.**--Please indicate whether your firm has experienced any of the following changes in relation to the importation of HFC components (R-32, R-125, R-143a, and R-134a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) since January 1, 2013.

<i>(check as many as appropriate)</i>		<i>(please describe)</i>
<input type="checkbox"/>	Office/warehouse openings	
<input type="checkbox"/>	Office/warehouse 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 (e.g., technology)	

**Definitions**

**"In-scope HFC components"** are R-32, R-125, and R-143a.

**"In-scope HFC blends"** are R-404A, R-407A, R-407C, R-410A, and R-507A.

**"Arranged imports"** are imports for which your firm has placed an order with a foreign producer for subject merchandise, but delivery of those imports is not scheduled to occur until after the date listed above.

II-3. **Arranged imports.**--Has your firm imported or arranged for the importation of HFC components (R-32, R-125, R-143a, and R-134a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) for delivery on or after **December 31, 2015**?

No                       Yes--Fill out the table below.

<b>Quantity (in short tons)</b>				
<b>Period/Source</b>	<b>Jan-Mar 2016</b>	<b>Apr-Jun 2016</b>	<b>Jul-Sept 2016</b>	<b>Oct-Dec 2016</b>
<b>In-scope HFC components.--</b> China				
Other sources				
<b>In-scope HFC blends.--</b> China				
Other sources				

II-4. **Reasons for importing if producer.**--If your firm also produces HFC components (R-32, R-125, R-143a, and R-134a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) in the United States, please indicate the reasons for importing HFC components (R-32, R-125, R-143a, and R-134a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A). If your firm's reasons differ by source, please elaborate.

II-5. **In-scope HFC components: U.S. imports from China.**--Report your firm's imports and your firm's shipments and inventories of in-scope HFC components (R-32, R-125, and R-143a) imported from **China** by your firm during the specified periods.

## CHINA: In-scope HFC Components

Quantity (in short tons), value (in \$1,000)			
Item	Calendar years		
	2013	2014	2015
<b>Beginning-of-period inventories for in-scope HFC components</b> (quantity) (A)			
<b>Imports of:<sup>1</sup></b>			
<b>R-32.--</b>			
Quantity (B)			
Value (C)			
<b>R-125.--</b>			
Quantity (D)			
Value (E)			
<b>R-143a.--</b>			
Quantity (F)			
Value (G)			
<b>Total in-scope HFC components.--</b>			
Quantity (H)	0	0	0
Value (I)	0	0	0
<b>U.S. shipments of in-scope HFC components:</b>			
<b>Commercial shipments.--</b>			
Quantity (J) from II-7	0	0	0
Value (K) from II-7	0	0	0
<b>Internal consumption/company transfers.--</b>			
Quantity (L)			
Value <sup>2</sup> (M)			
<b>Export shipments of in-scope HFC components:<sup>3</sup></b>			
Quantity (N)			
Value (O)			
<b>End-of-period inventories of in-scope HFC components</b> (quantity) (P)			
<p><sup>1</sup> Please identify the foreign producers, if known: _____.</p> <p><sup>2</sup> Sales to related firms (including internal consumption) must be valued at fair market value. In the event that your firm uses a different basis for valuing these sales within your company, please specify that basis (e.g., cost, cost plus, etc.) and provide value data using that basis for each of the periods noted above: _____.</p> <p><sup>3</sup> Identify your firm's principal export markets: _____.</p>			

**II-5. In-scope HFC components: U.S. imports from China.--Continued**

RECONCILIATION OF SHIPMENTS, IMPORTS, AND INVENTORIES.--Generally, the data reported for the end-of-period inventories (i.e., line P) should be equal to the beginning-of-period inventories (i.e., line A), plus imports (i.e., line H), less total shipments (i.e., lines J, L, N). 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.

Reconciliation	Calendar years		
	2013	2014	2015
A + H – J – L – N – P = should equal zero ("0") or provide an explanation. <sup>1</sup>	0	0	0
<sup>1</sup> Explanation if the calculated fields above are returning values other than zero (i.e., "0") but are nonetheless accurate: _____.			

II-6. **Out-of-scope HFC component R-134a: U.S. imports from China.**--Report your firm's imports and your firm's shipments and inventories of out-of-scope HFC component R-134a imported from China by your firm during the specified periods.

## CHINA: Out-of-scope HFC Component R-134a

Quantity (in short tons), value (in \$1,000)			
Item	Calendar years		
	2013	2014	2015
<b>Beginning-of-period inventories out-of-scope HFC components (quantity) (Q)</b>			
<b>Imports of:<sup>1</sup></b>			
<b>R-134a.--</b>			
Quantity (R)			
Value (S)			
<b>U.S. shipments of out-of-scope HFC components (R-134a):</b>			
<b>Commercial shipments.--</b>			
Quantity (T) from II-7	0	0	0
Value (U) from II-7	0	0	0
<b>Internal consumption/ company transfers.--</b>			
Quantity (V)			
Value <sup>2</sup> (W)			
<b>Export shipments of out-of-scope HFC components (R-134a):<sup>3</sup></b>			
Quantity (X)			
Value (Y)			
<b>End-of-period inventories of out-of-scope HFC components (R-134a) (quantity) (Z)</b>			
<sup>1</sup> Please identify the foreign producers, if known: _____. <sup>2</sup> Sales to related firms (including internal consumption) must be valued at fair market value. In the event that your firm uses a different basis for valuing these sales within your company, please specify that basis (e.g., cost, cost plus, etc.) and provide value data using that basis for each of the periods noted above: _____. <sup>3</sup> Identify your firm's principal export markets: _____.			

**RECONCILIATION OF SHIPMENTS, IMPORTS, AND INVENTORIES.**--Generally, the data reported for the end-of-period inventories (i.e., line Z) should be equal to the beginning-of-period inventories (i.e., line Q), plus imports (i.e., line R), less total shipments (i.e., lines T, V, X). 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.

Reconciliation	Calendar years		
	2013	2014	2015
Q + R – T – V – X – Z = should equal zero ("0") or provide an explanation. <sup>1</sup>	0	0	0
<sup>1</sup> Explanation if the calculated fields above are returning values other than zero (i.e., "0") but are nonetheless accurate: _____.			

II-7. **Commercial shipments of in-scope HFC components from China by individual components and channel of distribution.**--Report your firm's commercial U.S. shipments of imports from China by individual HFC component and channel of distribution.

## CHINA: HFC Components Channels

Quantity (in short tons) and value (in \$1,000)			
Item	Calendar years		
	2013	2014	2015
<b>Commercial U.S. shipments:</b>			
<b>R-32:</b>			
Sold to <u>distributors and service companies</u> and/or to <u>equipment owners/end users:</u> Quantity (AA)			
Value (AB)			
Sold to <u>blenders/repackagers</u> Quantity (AC)			
Value (AD)			
Sold to <u>original equipment manufacturers.</u> Quantity (AE)			
Value (AF)			
<b>R-125:</b>			
Sold to <u>distributors and service companies</u> and/or to <u>equipment owners/end users:</u> Quantity (AG)			
Value (AH)			
Sold to <u>blenders/repackagers</u> Quantity (AI)			
Value (AJ)			
Sold to <u>original equipment manufacturers</u> Quantity (AK)			
Value (AL)			
<b>R-143a:</b>			
Sold to <u>distributors and service companies</u> and/or to <u>equipment owners/end users:</u> Quantity (AM)			
Value (AN)			
Sold to <u>blenders/repackagers</u> Quantity (AO)			
Value (AP)			
Sold to <u>original equipment manufacturers</u> Quantity (AQ)			
Value (AR)			

Question continued next page.



II-7. **Commercial shipments of components by channel and by product.**--Continued

<b>Quantity (in short tons) and value (in \$1,000)</b>			
<b>Item</b>	<b>Calendar years</b>		
	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>R-134a (out-of-scope):</b> Sold to <u>distributors and service companies</u> and/or to <u>equipment owners/end users:</u> <i>Quantity (AS)</i>			
<i>Value (AT)</i>			
Sold to <u>blenders/repackagers</u> <i>Quantity (AU)</i>			
<i>Value (AV)</i>			
Sold to <u>original equipment manufacturers</u> <i>Quantity (AW)</i>			
<i>Value (AX)</i>			

II-8. **In-scope HFC blends: U.S. imports from China.**--Report your firm's imports and your firm's shipments and inventories of in-scope HFC blends imported from China by your firm during the specified periods.

## CHINA: In-scope HFC Blends

Quantity (in short tons), value (in \$1,000)			
Item	Calendar years		
	2013	2014	2015
<b>Beginning-of-period inventories for in-scope blends</b> (quantity) (AY)			
<b>Imports of:<sup>1</sup></b>			
<b>R-404A</b>			
Quantity (AZ)			
Value (BA)			
<b>R-407A</b>			
Quantity (BB)			
Value (BC)			
<b>R-407C</b>			
Quantity (BD)			
Value (BE)			
<b>R-410A</b>			
Quantity (BF)			
Value (BG)			
<b>R-507A</b>			
Quantity (BH)			
Value (BI)			
<b>Total in-scope blends</b>			
Quantity (BJ)	0	0	0
Value (BK)	0	0	0
<b>U.S. shipments of in-scope blends:</b>			
<b>Commercial shipments:</b>			
Quantity (BL) from II-9	0	0	0
Value (BM) from II-9	0	0	0
<b>Internal consumption/ company transfers:</b>			
Quantity (BN)			
Value <sup>2</sup> (BO)			
<b>Export shipments of in-scope blends:<sup>3</sup></b>			
Quantity (BQ)			
Value (BR)			
<b>End-of-period inventories of in-scope blends</b> (quantity) (BS)			

Question continued next page.

**II-8. In-scope HFC blends: U.S. imports from China.—Continued**

<sup>1</sup> Please identify the foreign producers, if known: \_\_\_\_\_.

<sup>2</sup> Sales to related firms (including internal consumption) must be valued at fair market value. In the event that your firm uses a different basis for valuing these sales within your company, please specify that basis (e.g., cost, cost plus, etc.) and provide value data using that basis for each of the periods noted above: \_\_\_\_\_.

<sup>3</sup> Identify your firm's principal export markets: \_\_\_\_\_.

**RECONCILIATION OF SHIPMENTS, IMPORTS, AND INVENTORIES.**—Generally, the data reported for the end-of-period inventories (i.e., line BS) should be equal to the beginning-of-period inventories (i.e., line AY), plus imports (i.e., line BJ), less total shipments (i.e., lines BL, BN, and BQ). 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.

Reconciliation	Calendar years		
	2013	2014	2015
AY + BJ – BL – BN – BQ – BS = should equal zero ("0") or provide an explanation. <sup>1</sup>	0	0	0
<sup>1</sup> Explanation if the calculated fields above are returning values other than zero (i.e., "0") but are nonetheless accurate: _____.			

**II-9. Commercial shipments of in-scope HFC blends by individual blend and channel of distribution.**—Report your firm's commercial U.S. shipments of imports from China by individual blend and channel of distribution.

## CHINA: In-scope HFC Blends Channels

Quantity (in short tons) and value (in \$1,000)			
Item	Calendar years		
	2013	2014	2015
<b>Commercial U.S. shipments:</b>			
<b>R-404A:</b>			
Sold to <u>distributors and service companies</u> and/or to <u>equipment owners/end users</u> :			
Quantity (BT)			
Value (BU)			
Sold to <u>blenders/repackagers</u>			
Quantity (BV)			
Value (BW)			
Sold to <u>original equipment manufacturers</u>			
Quantity (BX)			
Value (BY)			

Question continued next page.

II-9. **Commercial shipments of in-scope HFC blends by individual blend and channel of distribution.**--Continued

Quantity (in short tons) and value (in \$1,000)			
Item	Calendar years		
	2013	2014	2015
<b>Commercial U.S. shipments:</b>			
<b>R-407A:</b>			
Sold to <u>distributors and service companies</u> and/or to <u>equipment owners/end users</u> :			
Quantity (BZ)			
Value (CA)			
Sold to <u>blenders/repackagers</u>			
Quantity (CB)			
Value (CC)			
Sold to <u>original equipment manufacturers</u>			
Quantity (CD)			
Value (CE)			
<b>R-407C:</b>			
Sold to <u>distributors and service companies</u> and/or to <u>equipment owners/end users</u> :			
Quantity (CF)			
Value (CG)			
Sold to <u>blenders/repackagers</u>			
Quantity (CI)			
Value (CJ)			
Sold to <u>original equipment manufacturers</u>			
Quantity (CK)			
Value (CL)			
<b>R-410A:</b>			
Sold to <u>distributors and service companies</u> and/or to <u>equipment owners/end users</u> :			
Quantity (CM)			
Value (CN)			
Sold to <u>blenders/repackagers</u>			
Quantity (CO)			
Value (CP)			
Sold to <u>original equipment manufacturers</u>			
Quantity (CQ)			
Value (CR)			

Question continued next page.

**II-9. Commercial shipments of in-scope HFC blends by individual blend and channel of distribution.**--Continued

Quantity ( <i>in short tons</i> ) and value ( <i>in \$1,000</i> )			
Item	Calendar years		
	2013	2014	2015
<b>R-507A:</b> Sold to <u>distributors and service companies</u> and/or to <u>equipment owners/end users</u> : <i>Quantity (CS)</i>			
<i>Value (CT)</i>			
Sold to <u>blenders/repackagers</u> <i>Quantity (CU)</i>			
<i>Value (CV)</i>			
Sold to <u>original equipment manufacturers</u> <i>Quantity (CW)</i>			
<i>Value (CX)</i>			

II-10. **In-scope HFC components: U.S. imports from all other sources.**--Report your firm's imports and your firm's shipments and inventories of in-scope HFC components (R-32, R-125, and R-143a) imported from all other sources by your firm during the specified periods.

**ALL OTHER SOURCES: In-scope HFC Components**  
**(list sources: \_\_\_\_\_)**

Quantity (in short tons), value (in \$1,000)			
Item	Calendar years		
	2013	2014	2015
<b>Beginning-of-period inventories for in-scope HFC components (quantity) (A)</b>			
<b>Imports of:<sup>1</sup></b>			
<b>R-32.--</b>			
Quantity (B)			
Value (C)			
<b>R-125.--</b>			
Quantity (D)			
Value (E)			
<b>R-143a.--</b>			
Quantity (F)			
Value (G)			
<b>Total in-scope HFC components.--</b>			
Quantity (H)	0	0	0
Value (I)	0	0	0
<b>U.S. shipments of in-scope HFC components:</b>			
<b>Commercial shipments.--</b>			
Quantity (J) from II-12	0	0	0
Value (K) from II-12	0	0	0
<b>Internal consumption/ company transfers.--</b>			
Quantity (L)			
Value <sup>2</sup> (M)			
<b>Export shipments of in-scope HFC components:<sup>3</sup></b>			
Quantity (N)			
Value (O)			
<b>End-of-period inventories of in-scope HFC components (quantity) (P)</b>			

<sup>1</sup> Please identify the foreign producers, if known: \_\_\_\_\_.

<sup>2</sup> Sales to related firms (including internal consumption) must be valued at fair market value. In the event that your firm uses a different basis for valuing these sales within your company, please specify that basis (e.g., cost, cost plus, etc.) and provide value data using that basis for each of the periods noted above: \_\_\_\_\_.

<sup>3</sup> Identify your firm's principal export markets: \_\_\_\_\_.

**II-10. In-scope HFC components: U.S. imports from All Other Sources.--Continued**

RECONCILIATION OF SHIPMENTS, IMPORTS, AND INVENTORIES.--Generally, the data reported for the end-of-period inventories (i.e., line P) should be equal to the beginning-of-period inventories (i.e., line A), plus imports (i.e., line H), less total shipments (i.e., lines J, L, N). 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.

Reconciliation	Calendar years		
	2013	2014	2015
A + H – J – L – N – P = should equal zero ("0") or provide an explanation. <sup>1</sup>	0	0	0
<sup>1</sup> Explanation if the calculated fields above are returning values other than zero (i.e., "0") but are nonetheless accurate: _____.			

**II-11. Out-of-scope HFC component R-134a: U.S. imports from All Other Sources.**--Report your firm's imports and your firm's shipments and inventories of out-of-scope HFC component R-134a imported from all other sources by your firm during the specified periods

**ALL OTHER SOURCES: Out-of-scope HFC Component R-134A**

Item	Quantity (in short tons), value (in \$1,000)		
	Calendar years		
	2013	2014	2015
<b>Beginning-of-period inventories out-of-scope HFC component R-134a</b> (quantity) (Q)			
<b>Imports of:</b> <sup>1</sup>			
<b>R-134a.--</b>			
Quantity (R)			
Value (S)			
<b>U.S. shipments of out-of-scope HFC components (R-134a):</b>			
<b>Commercial shipments.--</b>			
Quantity (T) from II-12	0	0	0
Value (U) from II-12	0	0	0
<b>Internal consumption/ company transfers.--</b>			
Quantity (V)			
Value <sup>2</sup> (W)			
<b>Export shipments of out-of-scope HFC components (R-134a):</b> <sup>3</sup>			
Quantity (X)			
Value (Y)			
<b>End-of-period inventories of out-of-scope HFC component R-134a</b> (quantity) (Z)			

**II-11. Out-of-scope HFC component R-134a: U.S. imports All Other Sources.--Continued**

<sup>1</sup> Please identify the foreign producers, if known: \_\_\_\_\_.

<sup>2</sup> Sales to related firms (including internal consumption) must be valued at fair market value. In the event that your firm uses a different basis for valuing these sales within your company, please specify that basis (e.g., cost, cost plus, etc.) and provide value data using that basis for each of the periods noted above: \_\_\_\_\_.

<sup>3</sup> Identify your firm's principal export markets: \_\_\_\_\_.

**RECONCILIATION OF SHIPMENTS, IMPORTS, AND INVENTORIES.**--Generally, the data reported for the end-of-period inventories (i.e., line Z) should be equal to the beginning-of-period inventories (i.e., line Q), plus imports (i.e., line R), less total shipments (i.e., lines T, V, X). 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.

Reconciliation	Calendar years		
	2013	2014	2015
Q + R – T – V – X – Z = should equal zero ("0") or provide an explanation. <sup>1</sup>	0	0	0
<sup>1</sup> Explanation if the calculated fields above are returning values other than zero (i.e., "0") but are nonetheless accurate: _____.			

**II-12. Commercial shipments of HFC components by individual components and channel of distribution for imports from All Other Sources.--Report your firm's commercial U.S. shipments of imports from all other sources by individual component and channel of distribution.**

## ALL OTHER SOURCES: HFC Components Channels

Quantity (in short tons) and value (in \$1,000)			
Item	Calendar years		
	2013	2014	2015
<b>Commercial U.S. shipments:</b>			
<b>R-32:</b>			
Sold to <u>distributors and service companies</u> and/or to <u>equipment owners/end users</u> :			
Quantity (AA)			
Value (AB)			
Sold to <u>blenders/repackagers</u>			
Quantity (AC)			
Value (AD)			
Sold to <u>original equipment manufacturers</u>			
Quantity (AE)			
Value (AF)			

*Question continued next page*



**II-12. Commercial shipments of HFC components by individual components and channel of distribution for imports from All Other Sources.--Continued**

Quantity (in short tons) and value (in \$1,000)			
Item	Calendar years		
	2013	2014	2015
<b>R-125:</b> Sold to <u>distributors and service companies</u> and/or to <u>equipment owners/end users:</u> Quantity (AG)			
Value (AH)			
Sold to <u>blenders/repackagers</u> Quantity (AI)			
Value (AJ)			
Sold to <u>original equipment manufacturers</u> Quantity (AK)			
Value (AL)			
<b>R-143a:</b> Sold to <u>distributors and service companies</u> and/or to <u>equipment owners/end users:</u> Quantity (AM)			
Value (AN)			
Sold to <u>blenders/repackagers</u> Quantity (AO)			
Value (AP)			
Sold to <u>original equipment manufacturers</u> Quantity (AQ)			
Value (AR)			
<b>R-134a (out-of-scope):</b> Sold to <u>distributors and service companies</u> and/or to <u>equipment owners/end users:</u> Quantity (AS)			
Value (AT)			
Sold to <u>blenders/repackagers</u> Quantity (AU)			
Value (AV)			
Sold to <u>original equipment manufacturers</u> Quantity (AW)			
Value (AX)			

II-13. **In-scope HFC blends: U.S. imports from All Other Sources.**--Report your firm's imports and your firm's shipments and inventories of in-scope HFC blends imported from all other sources by your firm during the specified periods.

### ALL OTHER SOURCES: In-scope HFC Blends

Quantity (in short tons), value (in \$1,000)			
Item	Calendar years		
	2013	2014	2015
<b>Beginning-of-period inventories for in-scope blends</b> (quantity) (AY)			
<b>Imports of:<sup>1</sup></b>			
<b>R-404A</b>			
Quantity (AZ)			
Value (BA)			
<b>R-407A</b>			
Quantity (BB)			
Value (BC)			
<b>R-407C</b>			
Quantity (BD)			
Value (BE)			
<b>R-410A</b>			
Quantity (BF)			
Value (BG)			
<b>R-507A</b>			
Quantity (BH)			
Value (BI)			
<b>Total in-scope blends</b>			
Quantity (BJ)	0	0	0
Value (BK)	0	0	0
<b>U.S. shipments of in-scope blends:</b>			
<b>Commercial shipments:</b>			
Quantity (BL) from II-14	0	0	0
Value (BM) from II-14	0	0	0
<b>Internal consumption/ company transfers:</b>			
Quantity (BN)			
Value <sup>2</sup> (BO)			
<b>Export shipments of in-scope blends:<sup>3</sup></b>			
Quantity (BQ)			
Value (BR)			
<b>End-of-period inventories of in-scope blends</b> (quantity) (BS)			

**II-13. In-scope HFC blends: U.S. imports from All Other Sources.—Continued**

<sup>1</sup> Please identify the foreign producers, if known: \_\_\_\_\_.

<sup>2</sup> Sales to related firms (including internal consumption) must be valued at fair market value. In the event that your firm uses a different basis for valuing these sales within your company, please specify that basis (e.g., cost, cost plus, etc.) and provide value data using that basis for each of the periods noted above: \_\_\_\_\_.

<sup>3</sup> Identify your firm's principal export markets: \_\_\_\_\_.

**RECONCILIATION OF SHIPMENTS, IMPORTS, AND INVENTORIES.**—Generally, the data reported for the end-of-period inventories (i.e., line BS) should be equal to the beginning-of-period inventories (i.e., line AY), plus imports (i.e., line BJ), less total shipments (i.e., lines BL, BN, and BQ). 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.

Reconciliation	Calendar years		
	2013	2014	2015
AY + BJ – BL – BN – BQ – BS = should equal zero ("0") or provide an explanation. <sup>1</sup>	0	0	0
<sup>1</sup> Explanation if the calculated fields above are returning values other than zero (i.e., "0") but are nonetheless accurate: _____.			

**II-14. Commercial shipments of in-scope HFC blends by individual blend and channel of distribution.**—Report your firm's commercial U.S. shipments of imports from all other sources by individual blend and channel of distribution.

**ALL OTHER SOURCES: In-scope HFC Blends Channels**

Quantity (in short tons) and value (in \$1,000)			
Item	Calendar years		
	2013	2014	2015
<b>Commercial U.S. shipments:</b>			
<b>R-404A:</b>			
Sold to <u>distributors and service companies</u> and/or to <u>equipment owners/end users:</u> Quantity (BT)			
Value (BU)			
Sold to <u>blenders/repackagers</u> Quantity (BV)			
Value (BW)			
Sold to <u>original equipment manufacturers</u> Quantity (BX)			
Value (BY)			

Question continued next page

II-14. **Commercial shipments of in-scope HFC blends by individual blend and channel of distribution.**--Continued

Quantity (in short tons) and value (in \$1,000)			
Item	Calendar years		
	2013	2014	2015
<b>Commercial U.S. shipments:</b>			
<b>R-407A:</b>			
Sold to <u>distributors and service companies</u> and/or to <u>equipment owners/end users</u> : Quantity (BZ)			
Value (CA)			
Sold to <u>blenders/repackagers</u> Quantity (CB)			
Value (CC)			
Sold to <u>original equipment manufacturers</u> Quantity (CD)			
Value (CE)			
<b>R-407C:</b>			
Sold to <u>distributors and service companies</u> and/or to <u>equipment owners/end users</u> : Quantity (CF)			
Value (CG)			
Sold to <u>blenders/repackagers</u> Quantity (CI)			
Value (CJ)			
Sold to <u>original equipment manufacturers</u> Quantity (CK)			
Value (CL)			
<b>R-410A:</b>			
Sold to <u>distributors and service companies</u> and/or to <u>equipment owners/end users</u> : Quantity (CM)			
Value (CN)			
Sold to <u>blenders/repackagers</u> Quantity (CO)			
Value (CP)			
Sold to <u>original equipment manufacturers</u> Quantity (CQ)			
Value (CR)			

Question continued next page.

II-14. **Commercial shipments of in-scope HFC blends by individual blend and channel of distribution**--*Continued*

Quantity (in short tons) and value (in \$1,000)			
Item	Calendar years		
	2013	2014	2015
<b>R-507A:</b> Sold to <u>distributors and service companies</u> and/or to <u>equipment owners/end users:</u> Quantity (CS)			
Value (CT)			
Sold to <u>blenders/repackagers</u> Quantity (CU)			
Value (CV)			
Sold to <u>original equipment manufacturers</u> Quantity (CW)			
Value (CX)			

II-15. **Other explanations**--If your firm would like to further explain a response to a question in Part II that did not provide a narrative response 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.

II-16. **Imports of out-of-scope R-134a**--Does your firm import out-of-scope R-134a from any country for use in producing in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and/or R-507A) during the specified periods? Also be sure to report the imports of those data in the relevant grids in this questionnaire and report that use as internal consumption.

No
  Yes--**COMPLETE AND RETURN A U.S. PRODUCERS/BLENDERS' QUESTIONNAIRE**

**PART III.--PRICING AND MARKET FACTORS**

Further information on this part of the questionnaire can be obtained from Michele Breaux (202-205-2781, [michele.breaux@usitc.gov](mailto:michele.breaux@usitc.gov)).

III-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 III.

Name	
Title	
Email	
Telephone	
Fax	

**PURCHASE COST DATA**

III-2. Product definitions:

**Product 1.**-- R-410A in bulk containers (1,000 lbs. or greater);

**Product 2.**-- R-410A in 25-lb. disposable tanks or cylinders;

**Product 3.**-- R-404A in 24-lb. disposable tanks or cylinders;

**Product 4.**-- R-407C in 25-lb. disposable tanks or cylinders;

**Product 5.**-- R-32 in bulk containers (1,000 lbs. or greater);

**Product 6.**-- R-125 in in bulk containers (over 1,000 lbs. or greater).

(a) **Direct imports.**--During January 2013-December 2015, did your firm directly import from China for its own use ("direct imports") in the United States any of the above listed products (or any products that were competitive with these products) (e.g., HFC components imported by your firm for use in your firm's domestic blending operations; or imports of HFC blends or HFC components by original equipment manufacturers for their production of refrigeration equipment)?

<input type="checkbox"/>	<b>No.</b> --Skip question to III-2d.
<input type="checkbox"/>	<b>Yes.</b> --Complete question III-2b and III-2c by providing the landed-duty paid purchase cost of your firm's <u>purchases</u> of products 1 through 6 from China.

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

III-2b. **Imports for own use.**--Report below the quarterly landed duty-paid cost data<sup>1</sup> for each pricing products<sup>2</sup> imported from China for internal consumption by your firm in the United States.

**Please note that values should be landed, duty-paid and should not include U.S.-inland transportation costs. Values should reflect the *final net* amount paid by your firm (i.e., should be net of all returns, discounts, allowances, and rebates).**

## CHINA – DIRECT IMPORTS – PRODUCTS 1-3

Report data in actual pounds and actual dollars (not 1,000s of dollars).

<i>(Quantity in pounds , value in dollars)</i>						
Period of shipment	Product 1		Product 2		Product 3	
	Quantity	Landed, duty-paid value <sup>1</sup>	Quantity	Landed, duty-paid value <sup>1</sup>	Quantity	Landed, duty-paid value <sup>1</sup>
<b>2013:</b>						
January-March						
April-June						
July-September						
October-December						
<b>2014:</b>						
January-March						
April-June						
July-September						
October-December						
<b>2015:</b>						
January-March						
April-June						
July-September						
October-December						

<sup>1</sup> Net values (i.e., landed duty-paid values net all discounts, returns, allowances, rebates, prepaid freight, and the value of returned goods). Moreover, please note that landed duty-paid values are NOT the sales prices at which your firm sells subject product at retail to consumers.

<sup>2</sup> Pricing product definitions are provided on the first page of Part III.

**Note.**--If your firm's product does not exactly meet the product specifications but is competitive with the specified product, provide a description of your firm's product. Also, please explain any anomalies in your firm's reported purchase cost data.

Product 1:

Product 2:

Product 3:

III-2b. **Imports for own use.**--(continued). Report below the quarterly landed duty-paid cost data<sup>1</sup> for each pricing products<sup>2</sup> imported from China for internal consumption by your firm in the United States.

**Please note that values should be landed, duty-paid and should not include U.S.-inland transportation costs. Values should reflect the *final net* amount paid by your firm (i.e., should be net of all returns, discounts, allowances, and rebates).**

## CHINA – DIRECT IMPORTS – PRODUCTS 4-6

Report data in actual pounds and actual dollars (not 1,000s of dollars).

<i>(Quantity in pounds , value in dollars)</i>						
Period of shipment	Product 4		Product 5		Product 6	
	Quantity	Landed, duty-paid value <sup>1</sup>	Quantity	Landed, duty-paid value <sup>1</sup>	Quantity	Landed, duty-paid value <sup>1</sup>
<b>2013:</b>						
January-March						
April-June						
July-September						
October-December						
<b>2014:</b>						
January-March						
April-June						
July-September						
October-December						
<b>2015:</b>						
January-March						
April-June						
July-September						
October-December						

<sup>1</sup> Net values (i.e., landed duty-paid values net all discounts, returns, allowances, rebates, prepaid freight, and the value of returned goods). Moreover, please note that landed duty-paid values are NOT the sales prices at which your firm sells subject product at retail to consumers.

<sup>2</sup> Pricing product definitions are provided on the first page of Part III.

**Note.**--If your firm's product does not exactly meet the product specifications but is competitive with the specified product, provide a description of your firm's product. Also, please explain any anomalies in your firm's reported purchase cost data.

Product 4:

Product 5:

Product 6:



**III-2c. Additional costs for your direct imports of subject product for use by your firm.**

- (i) If your firm reported direct import costs above (question III-2b), please identify the factors that add to your cost of importing directly since January 1, 2013, estimate the share of the cost of the landed duty paid value, and explain the specific costs associated with each category.

<b>Factors</b>	<b>Estimated share of landed duty paid value</b>	<b>Explanation</b>
Logistical or supply chain costs	%	
Warehousing costs	%	
Insurance costs	%	
Currency conversion costs	%	
Other	%	

- (ii) To which source does your firm compare costs in determining your additional transaction costs to directly import?

<b>U.S. Importers</b>	<b>U.S. Producers</b>	<b>Both</b>	<b>Neither</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

III-2c. **Additional costs for your direct imports of subject product for use by your firm.**--Continued

- (iii) (a) If your firm reported data above (question III-2b), briefly identify the benefits of directly importing in-scope HFC blends and/or in-scope HFC components instead of purchasing in-scope HFC blends and/or in-scope HFC components from a U.S. importer or from a U.S. producer.

(b) Please provide the estimated margin saved by having directly imported in-scope HFC blends and/or in-scope HFC components instead of purchasing from a U.S. importer. \_\_\_\_\_ percent of landed duty-paid value.

(c) Explain any variation in the margin saved since January 1, 2013.

- (iv) What is the approximate percentage of the total cost of in-scope HFC blends and/or in-scope HFC components you directly imported from China that is accounted for by U.S. inland transportation or other logistics costs from the port of importation to your distribution network or retail store? \_\_\_\_\_ percent.

- (v) If your firm directly imported in-scope HFC blends and/or in-scope HFC components from China for retail by your firm in the United States, did your firm ALSO purchase in-scope HFC blends and/or in-scope HFC components manufactured in the United States from U.S. producers? If so, please contact Michele Breaux ([Michele.breaux@usitc.gov](mailto:Michele.breaux@usitc.gov)) to obtain a purchaser questionnaire.

No       Yes

**PRICE DATA**

III-2. Product Definitions:

**Product 1.**-- R-410A in bulk containers (1,000 lbs. or greater);

**Product 2.**-- R-410A in 25-lb. disposable tanks or cylinders;

**Product 3.**-- R-404A in 24-lb. disposable tanks or cylinders;

**Product 4.**-- R-407C in 25-lb. disposable tanks or cylinders;

**Product 5.**-- R-32 in bulk containers (1,000 lbs. or greater);

**Product 6.**-- R-125 in in bulk containers (over 1,000 lbs. or greater).

(d) **Imports for resale.**--During January 2013-December 2015, did your firm import from China and then sell those imports to unrelated U.S. customers ("imports for resale") any of the above listed products (or any products that were competitive with these products) (e.g., imported HFC blends and components in bulk and repackaged it into smaller size containers for resale, these imports will have been reported as part of commercial U.S. shipments in part II of this questionnaire)?

<input type="checkbox"/>	<b>No.</b> --Skip to question III-3.
<input type="checkbox"/>	<b>Yes.</b> --Please complete the following pricing product data table(s) as appropriate.

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

III-2e. **Commercial sales of imports: Price data.**--Report below the quarterly price data<sup>1</sup> for each pricing product<sup>2</sup> imported from China and sold by your firm. Please note that values should be f.o.b., U.S. point of shipment and should not include U.S.-inland transportation costs. Values should reflect the *final net* amount paid by your firm (i.e., should be net of all deductions for discounts or rebates).

## CHINA – PRICING PRODUCTS 1 - 3

Report data in actual pounds and actual dollars (not 1,000s).

<i>(Quantity in pounds, value in dollars)</i>						
Period of shipment	Product 1		Product 2		Product 3	
	Quantity	Value	Quantity	Value	Quantity	Value
<b>2013:</b>						
January-March						
April-June						
July-September						
October-December						
<b>2014:</b>						
January-March						
April-June						
July-September						
October-December						
<b>2015:</b>						
January-March						
April-June						
July-September						
October-December						

<sup>1</sup> Net values (*i.e.*, gross sales values less all discounts, allowances, rebates, prepaid freight, and the value of returned goods), f.o.b. your firm's U.S. point of shipment.

<sup>2</sup> Pricing product definitions are provided on the first page of Part IV.

**Note.**--If your firm's product does not exactly meet the product specifications but is competitive with the specified product, provide a description of your firm's product. Also, please explain any anomalies in your firm's reported pricing data.

Product 1:

Product 2:

Product 3:

III-2e. **Commercial sales of imports: Price data.**--Report below the quarterly price data<sup>1</sup> for each pricing product<sup>2</sup> imported from China and sold by your firm. Please note that values should be f.o.b., U.S. point of shipment and should not include U.S.-inland transportation costs. Values should reflect the *final net* amount paid by your firm (i.e., should be net of all deductions for discounts or rebates).

## CHINA – PRICING PRODUCTS 4 - 6

**Report data in actual pounds and actual dollars (not 1,000s).**

<i>(Quantity in pounds , value in dollars)</i>						
Period of shipment	Product 4		Product 5		Product 6	
	Quantity	Value	Quantity	Value	Quantity	Value
<b>2013:</b>						
January-March						
April-June						
July-September						
October-December						
<b>2014:</b>						
January-March						
April-June						
July-September						
October-December						
<b>2015:</b>						
January-March						
April-June						
July-September						
October-December						

<sup>1</sup> Net values (*i.e.*, gross sales values less all discounts, allowances, rebates, prepaid freight, and the value of returned goods), f.o.b. your firm's U.S. point of shipment.

<sup>2</sup> Pricing product definitions are provided on the first page of Part IV.

**Note.**--If your firm's product does not exactly meet the product specifications but is competitive with the specified product, provide a description of your firm's product. Also, please explain any anomalies in your firm's reported pricing data.

Product 4:

Product 5:

Product 6:

III-2f. **Pricing data methodology.**--Please describe the method and the kinds of documents/records that were used to compile your price data.

--

III-3. **Price setting.**--How does your firm determine the prices that it charges for sales of in-scope HFC blends and/or in-scope HFC components (*check all that apply*)? If your firm issues price lists, please submit sample pages of a recent list.

	Transaction by transaction	Contracts	Set price lists	Other	If other, describe
In-scope HFC components	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
In-scope HFC blends	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

III-4. **Discount policy.**-- Please indicate and describe your firm's discount policies (*check all that apply*).

	Quantity discounts	Annual total volume discounts	No discount policy	Other	Describe
In-scope HFC components	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
In-scope HFC blends	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

III-5. **Pricing terms.--**

(a) What are your firm's typical sales terms for HFC blends and/or HFC components imported from China?

Net 30 days	Net 60 days	2/10 net 30 days	Other	Other (specify)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

(b) On what basis are your firm's prices of imported HFC blends and/or HFC components from China usually quoted (*check one*)?

	Delivered	F.o.b.	If f.o.b., specify point
<b>In-scope HFC components</b>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>In-scope HFC blends</b>	<input type="checkbox"/>	<input type="checkbox"/>	

III-6. **Contract versus spot.--**Approximately what share of your firm's sales of HFC blends and/or HFC components imported from China in 2015 was on a (1) long-term contract basis, (2) annual contract basis, (3) short-term contract basis, and (4) spot sales basis?

	Type of sale				Total (should sum to 100.0%)
	Long-term contracts (multiple deliveries for more than 12 months)	Annual contracts (multiple deliveries for 12 months)	Short-term contracts (multiple deliveries for less than 12 months)	Spot sales (for a single delivery)	
<b>Share of 2014 sales</b>					
<b>In-scope HFC components</b>	%	%	%	%	0.0 %
<b>In-scope HFC blends</b>	%	%	%	%	0.0 %

III-7. **Contract provisions.**—

(a) **In-scope HFC components.**--Please fill out the table regarding your firm's typical sales contracts for in-scope HFC components from China (or check "not applicable" if your firm does not sell on a long-term, short-term and/or annual contract basis).

<b>Typical sales contract provisions</b>	<b>Item</b>	<b>Short-term contracts</b> (multiple deliveries for less than 12 months)	<b>Annual contracts</b> (multiple deliveries for 12 months)	<b>Long-term contracts</b> (multiple deliveries for more than 12 months)
Average contract duration	<i># of days</i>		365	
Price renegotiation (during contract period)	<i>Yes</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>No</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fixed quantity and/or price	<i>Quantity</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>Price</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>Both</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Meet or release provision	<i>Yes</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>No</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Not applicable		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



III-7. **Contract provisions.** --Continued

(b) **In-scope HFC blends.**--Please fill out the table regarding your firm's typical sales contracts for in-scope HFC blends from China (or check "not applicable" if your firm does not sell on a long-term, short-term and/or annual contract basis).

Typical sales contract provisions	Item	Short-term contracts (multiple deliveries for less than 12 months)	Annual contracts (multiple deliveries for 12 months)	Long-term contracts (multiple deliveries for more than 12 months)
Average contract duration	<i># of days</i>		365	
Price renegotiation (during contract period)	<i>Yes</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>No</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fixed quantity and/or price	<i>Quantity</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>Price</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>Both</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Meet or release provision	<i>Yes</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>No</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Not applicable		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

III-8. **Lead times.**--What is your firm's share of sales of HFC blends and/or HFC components imported from China from inventory and produced to order and what is the typical lead time between a customer's order and the date of delivery for your firm's sales of in-scope HFC blends and/or in-scope HFC components?

Source	Share of 2015 sales	Lead time (average number of days)
<b>In-scope HFC components</b>		
From inventory	%	
Produced to order	%	
Total (should sum to 100.0%)	0.0 %	
<b>In-scope HFC blends</b>		
From inventory	%	
Produced to order	%	
Total (should sum to 100.0%)	0.0 %	

**III-9. Shipping information.—**

- (a) What is the approximate percentage of the total delivered cost of in-scope HFC blends and/or in-scope HFC components imported from China that is accounted for by U.S. inland transportation costs?        percent.
  
- (b) Who generally arranges the transportation to your firm's customers' locations?  
 Your firm     Purchaser *(check one)*
  
- (c) When your firm sells in-scope HFC blends and/or in-scope HFC components imported from China, from where is it shipped?  
 Point of importation     Storage facility *(check one)*
  
- (d) Indicate the approximate percentage of your firm's sales of in-scope HFC blends and/or in-scope HFC components imported from China that are delivered the following distances from your firm's U.S. point of shipment.

<b>Distance from your firm's U.S. point of shipment</b>	<b>Share</b>
Within 100 miles	%
101 to 1,000 miles	%
Over 1,000 miles	%
<b>Total</b> (should sum to 100.0%)	0.0 %

- III-10. **Geographical shipments.**--In which U.S. geographic market area(s) has your firm sold HFC blends and/or HFC components imported from China since January 1, 2013 (check all that apply)?

<b>Geographic area</b>	<b>China</b>
<b>Northeast.</b> —CT, ME, MA, NH, NJ, NY, PA, RI, and VT.	<input type="checkbox"/>
<b>Midwest.</b> —IL, IN, IA, KS, MI, MN, MO, NE, ND, OH, SD, and WI.	<input type="checkbox"/>
<b>Southeast.</b> —AL, DE, DC, FL, GA, KY, MD, MS, NC, SC, TN, VA, and WV.	<input type="checkbox"/>
<b>Central Southwest.</b> —AR, LA, OK, and TX.	<input type="checkbox"/>
<b>Mountains.</b> —AZ, CO, ID, MT, NV, NM, UT, and WY.	<input type="checkbox"/>
<b>Pacific Coast.</b> —CA, OR, and WA.	<input type="checkbox"/>
<b>Other.</b> —All other markets in the United States not previously listed, including AK, HI, PR, and VI.	<input type="checkbox"/>



(b) **Cost share.**--For each end-use product, what percentage of the total cost is accounted for by in-scope HFC blends and other inputs?

End use product	Share of total cost of end use product accounted for by		Total (should sum to 100.0% across)
	In-scope HFC blends	Other inputs	
Residential a/c units and heat pumps	%	%	0.0 %
Commercial a/c units	%	%	0.0 %
Commercial refrigeration units	%	%	0.0 %
Transport refrigeration units	%	%	0.0 %
Process refrigeration units	%	%	0.0 %
Other <sup>1</sup>	%	%	0.0 %
<sup>1</sup> Explain the other end uses: _____.			

III-12. **Substitutes.**—

(a) **Component substitutes.**-- Can other products be substituted for in-scope HFC components?

No     Yes--Please fill out the table.

Substitute	In-scope HFC component replaced	Direct Replacement?		Explain, noting if any changes to equipment are needed.	Have changes in the price of this substitute affected the price for in-scope components?		
		No	Yes		No	Yes	Explanation
1.		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
2.		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
3.		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	

III-7. **Substitutes.**—*Continued*

(b) **Blend substitutes.**-- Can other products be substituted for in-scope HFC blends?

No  Yes--Please fill out the table.

Substitute	In-scope HFC blend replaced	Direct Replacement?		Explain, noting if any changes to equipment are needed.	Have changes in the price of this substitute affected the price for in-scope blends?		
		No	Yes		No	Yes	Explanation
1.		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
2.		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
3.		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	

III-13. **Demand trends.**-- Indicate how demand within the United States and outside of the United States (if known) for in-scope HFC blends and/or in-scope HFC components has changed since January 1, 2013. Explain any trends and describe the principal factors that have affected these changes in demand.

Market	Overall increase	No change	Overall decrease	Fluctuate with no clear trend	Explanation and factors
<b>In-scope HFC components</b>					
<b>Within the United States</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Outside the United States</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>In-scope HFC blends</b>					
<b>Within the United States</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Outside the United States</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

III-14. **Product changes.**--Have there been any significant changes in product range, product mix or marketing of in-scope HFC blends and/or in-scope HFC components since January 1, 2013?

No	Yes	If yes, please describe.
<input type="checkbox"/>	<input type="checkbox"/>	

III-15. **Conditions of competition.**—

(a) Is the market for in-scope HFC blends and/or in-scope HFC components subject to business cycles (other than general economy-wide conditions) and/or other conditions of competition distinctive to in-scope HFC blends and/or in-scope HFC components? If yes, describe.

Check all that apply.	Please describe.
<b>In-scope HFC components</b>	
<input type="checkbox"/> <b>No</b>	
<input type="checkbox"/> <b>Yes-Business cycles (e.g. seasonal business)</b>	
<input type="checkbox"/> <b>Yes-Other distinctive conditions of competition</b>	
<b>In-scope HFC blends</b>	
<input type="checkbox"/> <b>No</b>	
<input type="checkbox"/> <b>Yes-Business cycles (e.g. seasonal business)</b>	
<input type="checkbox"/> <b>Yes-Other distinctive conditions of competition</b>	

(a) If yes, have there been any changes in the business cycles or conditions of competition for in-scope HFC blends and/or in-scope HFC components since January 1, 2013?

	No	Yes	If yes, describe.
<b>In-scope HFC components</b>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>In-scope HFC blends</b>	<input type="checkbox"/>	<input type="checkbox"/>	

III-16. **Supply constraints.**--Has your firm refused, declined, or been unable to supply in-scope HFC blends and/or in-scope HFC components since January 1, 2013 (examples include placing customers on allocation or "controlled order entry," declining to accept new customers or renew existing customers, delivering less than the quantity promised, been unable to meet timely shipment commitments, etc.)?

	<b>No</b>	<b>Yes</b>	<b>If yes, please describe.</b>
<b>In-scope HFC components</b>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>In-scope HFC blends</b>	<input type="checkbox"/>	<input type="checkbox"/>	

III-17. **Raw materials.**-- How have raw material prices for in-scope HFC blends and in-scope HFC component changed since January 1, 2013?

<b>Overall increase</b>	<b>No change</b>	<b>Overall decrease</b>	<b>Fluctuate with no clear trend</b>	<b>Explain, noting how raw material price changes have affected your firm's selling prices for in-scope HFC blends and in-scope HFC component.</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

III-18. **Interchangeability.**--Are in-scope HFC blends and in-scope HFC components produced in the United States and in other countries interchangeable (*i.e.*, can they physically be used in the same applications)?

Please indicate A, F, S, N, or O in the table below:

A = the products from a specified country-pair are *always* interchangeable

F = the products are *frequently* interchangeable

S = the products are *sometimes* interchangeable

N = the products are *never* interchangeable

O = *no familiarity* with products from a specified country-pair

Country-pair <sup>1</sup>		In-scope HFC Components		In-scope HFC blends	
		China	Other Countries	China	Other Countries
In-scope HFC Components	United States			X	
	China	X			
In-scope HFC blends	United States	X			
	China			X	

<sup>1</sup> Country comparisons between products of the United States, China, and other countries should be made on a component by component or blend by blend basis.

For any country-pair producing products that is *sometimes* or *never* interchangeable, identify the country-pair and explain the factors that limit or preclude interchangeable use:



III-19. **Factors other than price.**--Are differences other than price (*e.g.*, quality, availability, transportation network, product range, technical support, *etc.*) between in-scope HFC blends and in-scope HFC components produced in the United States and in other countries a significant factor in your firm's sales of the HFC blends and HFC components?

Please indicate A, F, S, N, or O in the table below:

A = such differences are *always* significant

F = such differences are *frequently* significant

S = such differences are *sometimes* significant

N = such differences are *never* significant

O = *no familiarity* with products from a specified country-pair

Country-pair <sup>1</sup>		In-scope HFC Components		In-scope HFC blends	
		China	Other Countries	China	Other Countries
In-scope HFC Components	United States			X	
	China	X			
In-scope HFC blends	United States	X			
	China			X	

<sup>1</sup> Country comparisons between products of the United States, China, and other countries should be made on a component by component or blend by blend basis.

For any country-pair for which factors other than price *always* or *frequently* are a significant factor in your firm's sales of HFC blends and components, identify the country-pair and report the advantages or disadvantages imparted by such factors:

III-20. **Customer identification.**--List the names and contact information for your firm's 10 largest U.S. customers for in-scope HFC blends and in-scope HFC components since January 1, 2013. Indicate the share of the quantity of your firm's total shipments of HFC blends and components that each of these customers accounted for in 2015.

	Customer's name	Contact person	Email	Telephone	City	State	Share of 2015 sales (%)
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

III-21. **Other explanations.**--If your firm would like to further explain a response to a question in Part III that did not provide a narrative response 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.

**PART IV.—ADDITIONAL PRODUCT INFORMATION**

IV-1. **Additional product info: Out-of-scope refrigerant blends from China.**--Report your firm's imports, shipments and, inventories related to out-of-scope refrigerant blends imported from China during the specified periods. Quantity are being requested in **POUNDS** not short tons due to lower volume of merchandise in this category.

## CHINA: Out-of-scope Refrigerant Blends

Quantity (in pounds), value (in \$1,000)			
Item	Calendar years		
	2013	2014	2015
<b>Beginning-of-period inventories out-of-scope refrigerant blends</b> (quantity) (A)			
<b>Imports of out-of-scope refrigerant blends:</b> <sup>1</sup>			
Quantity (B)			
Value (C)			
<b>U.S. shipments of out-of-scope refrigerant blends:</b>			
<b>Commercial shipments.--</b>			
Quantity (D) from IV-2	0	0	0
Value (E) from IV-2	0	0	0
<b>Internal consumption/ company transfers.--</b>			
Quantity (F)			
Value <sup>2</sup> (G)			
<b>Export shipments of out-of-scope refrigerant blends:</b> <sup>3</sup>			
Quantity (H)			
Value (I)			
<b>End-of-period inventories of out-of-scope refrigerant blends</b> (quantity) (J)			

**RECONCILIATION OF SHIPMENTS, PRODUCTION, AND INVENTORY.**--Generally, the data reported for the end-of-period inventories (i.e., line L) 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, F, H, and J). 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.

Reconciliation	Calendar years		
	2013	2014	2015
A + B – D – F – H – J = should equal zero ("0") or provide an explanation. <sup>1</sup>	0	0	0
<sup>1</sup> Explanation if the calculated fields above are returning values other than zero (i.e., "0") but are nonetheless accurate: _____.			

IV-2. **Channels of distribution for out-of-scope refrigerant blends from China.**--Report your firm's commercial U.S. shipments of out-of-scope refrigerant blends imported from China by channel of distribution.

## CHINA: Out-of-scope Refrigerant Blends

Quantity (pounds) and value (in \$1,000)			
Item	Calendar years		
	2013	2014	2015
<b>Channels of distribution:</b> <b>Commercial U.S. shipments:</b> Sold to <u>distributors and service companies</u> and/or to <u>equipment owners/end users</u> : Quantity (K)			
Value (L)			
Sold to <u>blenders/repackagers</u> Quantity (M)			
Value (N)			
Sold to <u>original equipment manufacturers</u> Quantity (O)			
Value (P)			

IV-3. **Additional product info: Out-of-scope refrigerant blends from All Other Sources.**--Report your firm's imports, shipments and, inventories related to out-of-scope refrigerant blends imported from all other sources during the specified periods. Quantity are being requested in **POUNDS** not short tons due to lower volume of merchandise in this category.

### ALL OTHER SOURCES: Out-of-scope Refrigerant Blends

Quantity (in pounds), value (in \$1,000)			
Item	Calendar years		
	2013	2014	2015
<b>Beginning-of-period inventories out-of-scope refrigerant blends</b> (quantity) (A)			
<b>Imports of out-of-scope refrigerant blends:</b> <sup>1</sup>			
Quantity (B)			
Value (C)			
<b>U.S. shipments of out-of-scope refrigerant blends:</b>			
<b>Commercial shipments.--</b>			
Quantity (D) from IV-4	0	0	0
Value (E) from IV-4	0	0	0
<b>Internal consumption/ company transfers.--</b>			
Quantity (F)			
Value <sup>2</sup> (G)			
<b>Export shipments of out-of-scope refrigerant blends:</b> <sup>3</sup>			
Quantity (H)			
Value (I)			
<b>End-of-period inventories of out-of-scope refrigerant blends</b> (quantity) (J)			

**RECONCILIATION OF SHIPMENTS, PRODUCTION, AND INVENTORY.**--Generally, the data reported for the end-of-period inventories (i.e., line L) 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, F, H, and J). 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.

Reconciliation	Calendar years		
	2013	2014	2015
A + B – D – F – H – J = should equal zero ("0") or provide an explanation. <sup>1</sup>	0	0	0
<sup>1</sup> Explanation if the calculated fields above are returning values other than zero (i.e., "0") but are nonetheless accurate: _____.			

IV-4. **Channels of distribution for out-of-scope refrigerant blends from All Other Sources.**-- Report your firm's commercial U.S. shipments of out-of-scope refrigerant blends imported from all other sources by channel of distribution.

### ALL OTHER SOURCES: Out-of-scope Refrigerant Blends

Quantity (pounds) and value (in \$1,000)			
Item	Calendar years		
	2013	2014	2015
<b>Channels of distribution:</b>			
<b>Commercial U.S. shipments:</b>			
Sold to <u>distributors and service companies</u> and/or to <u>equipment owners/end users</u> :			
Quantity (K)			
Value (L)			
Sold to <u>blenders/repackagers</u>			
Quantity (M)			
Value (N)			
Sold to <u>original equipment manufacturers</u>			
Quantity (O)			
Value (P)			

IV-5. **Individual refrigerant blends reported in question IV-1 through IV-4.**--Please check which out-of-scope refrigerant blends your firm reported in data provided in question IV-3 through IV-6.

<input type="checkbox"/>	R-407B	<input type="checkbox"/>	R-422A	<input type="checkbox"/>	R-442A
<input type="checkbox"/>	R-407D	<input type="checkbox"/>	R-422B	<input type="checkbox"/>	R-444A
<input type="checkbox"/>	R-407E	<input type="checkbox"/>	R-422C	<input type="checkbox"/>	R-445A
<input type="checkbox"/>	R-407F	<input type="checkbox"/>	R-422D	<input type="checkbox"/>	R-448A
<input type="checkbox"/>	R-408A	<input type="checkbox"/>	R-422E	<input type="checkbox"/>	R-449A
<input type="checkbox"/>	R-410B	<input type="checkbox"/>	R-423A	<input type="checkbox"/>	R-449B
<input type="checkbox"/>	R-413A	<input type="checkbox"/>	R-424A	<input type="checkbox"/>	R-450A
<input type="checkbox"/>	R-416A	<input type="checkbox"/>	R-425A	<input type="checkbox"/>	R-451A
<input type="checkbox"/>	R-417A	<input type="checkbox"/>	R-426A	<input type="checkbox"/>	R-451B
<input type="checkbox"/>	R-417B	<input type="checkbox"/>	R-427A	<input type="checkbox"/>	R-452A
<input type="checkbox"/>	R-417C	<input type="checkbox"/>	R-428A	<input type="checkbox"/>	R-453A
<input type="checkbox"/>	R-419A	<input type="checkbox"/>	R-434A	<input type="checkbox"/>	R-454A
<input type="checkbox"/>	R-419B	<input type="checkbox"/>	R-437A	<input type="checkbox"/>	R-454B
<input type="checkbox"/>	R-420A	<input type="checkbox"/>	R-438A	<input type="checkbox"/>	R-504
<input type="checkbox"/>	R-421A	<input type="checkbox"/>	R-439A	<input type="checkbox"/>	R-512A
<input type="checkbox"/>	R-421B	<input type="checkbox"/>	R-440A	<input type="checkbox"/>	R-513A
<input type="checkbox"/>	Other out-of-scope refrigerant blends <sup>1</sup>				
<sup>1</sup> Please name the individual out-of-scope refrigerant blends not otherwise provided in the list above that are included in questions IV-3 through IV-4 _____.					

## HOW TO FILE YOUR QUESTIONNAIRE RESPONSE

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

[https://www.usitc.gov/investigations/701731/2016/hydrofluorocarbon\\_blends\\_and\\_components\\_china/final.htm](https://www.usitc.gov/investigations/701731/2016/hydrofluorocarbon_blends_and_components_china/final.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 the MS Word questionnaire to [joanna.lo@usitc.gov](mailto:joanna.lo@usitc.gov); 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 import HFC blends, HFC components, and/or other refrigerant blends,** 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, it is 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.