

U.S. PRODUCERS' QUESTIONNAIRE

PENTAFLUOROETHANE (R-125) FROM CHINA

This questionnaire must be received by the Commission by **September 27, 2021**
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 and countervailing duty investigations concerning pentafluoroethane ("R-125") from China (Inv. Nos. 701-TA-662 and 731-TA-1554 (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)).

Name of firm _____

Address _____

City _____ State _____ Zip Code _____

Website _____

Has your firm produced R-125 or R-125 in covered blends (as defined on next page) at any time since January 1, 2018?

☐ **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 U.S. International Trade Commission **Drop Box** by clicking on the following link: <https://dropbox.usitc.gov/oinv/>. (PIN: PENT)

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, the undersigned, acknowledge that information submitted in response to this request for information and throughout this proceeding or other proceedings may be disclosed to and used: (i) by the Commission, its employees and Offices, and contract personnel (a) for developing or maintaining the records of this or a related proceeding, or (b) in internal investigations, audits, reviews, and evaluations relating to the programs, personnel, and operations of the Commission including under 5 U.S.C. Appendix 3; or (ii) by U.S. government employees and contract personnel, solely for cybersecurity purposes. I understand that all contract personnel will sign appropriate nondisclosure agreements.

Name of Authorized Official

Title of Authorized Official

Date

Signature

Phone

Email address

PART I.—GENERAL INFORMATION

Background.-- This proceeding was instituted in response to petitions filed on January 12, 2021, by Honeywell International, Inc., Charlotte, North Carolina. Antidumping and countervailing 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 ("Commerce") makes an affirmative determination of dumping and/or subsidization. Questionnaires and other information pertinent to this proceeding are available at https://www.usitc.gov/investigations/2021/pentafluoroethane_r_125_china/final.htm.

Pentafluoroethane ("R-125") covered by these investigations is pentafluoroethane (R-125), or its chemical equivalent, regardless of form, type or purity level. R-125 has the Chemical Abstracts Service (CAS) registry number of 354-33-6 and the chemical formula C₂HF₅. R-125 is also referred to as Pentafluoroethane, Genetron HFC 125, Khladon 125, Suva 125, Freon 125, and Fc-125. R-125 that has been blended with other products is included within the scope if such blends contain 85% or more by volume R-125, on an actual percentage basis. However, R-125 incorporated into a blend that conforms to ANSI/ASHRAE Standard 34 is excluded from the scope of these investigations. When R-125 is blended with other products and otherwise falls under the scope of these investigations, only the R-125 component of the mixture is covered by the scope of these investigations.

Subject merchandise also includes purified and unpurified R-125 that is processed in a third country or otherwise outside the customs territory of the United States, including, but not limited to, purifying, blending, or any other processing that would not otherwise remove the merchandise from the scope of these investigations if performed in the country of manufacture of the in-scope R-125. The scope also includes R-125 that is commingled with R-125 from sources not subject to these investigations. Only the subject component of such commingled products is covered by the scope of these investigations.

Excluded from the scope is merchandise covered by the scope of the antidumping order on *Hydrofluorocarbon Blends from the People's Republic of China*, including merchandise subject to the affirmative anti-circumvention determination in *Hydrofluorocarbon Blends from the People's Republic of China: Affirmative Final Determination of Circumvention of the Antidumping Duty Order; Unfinished R-32/R-125 Blends*, 85 FR 15428 (March 18, 2020). See *Hydrofluorocarbon Blends from the People's Republic of China: Antidumping Duty Order*, 81 FR 55436 (August 19, 2016) (the Blends Order).

R-125 is entered under Harmonized Tariff Schedule of the United States (HTSUS) statistical reporting numbers 2903.39.2035 and 2903.39.2938. Merchandise subject to the scope may also be entered under HTSUS statistical reporting numbers 2903.39.2045, 3824.78.0020, and 3824.78.0050. The HTSUS numbers and CAS registry number are provided for convenience and customs purposes. The written description of the scope of these investigations is dispositive.

Covered blends.-- Covered blends include any blends containing 85% or more by volume R-125, on an actual percentage basis. Blends that conform to ANSI/ASHRAE Standard 34 are excluded. Blends covered by the HFC blends order (i.e., R-404A, R-407A, R-407C, R-410A, and R-507A), as well as blends covered under the identified anticircumvention determination in the Blends order are also excluded.

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.

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.

D-GRIDS tool.--The Commission has a tool that firms can use to move data from their own MS Excel compilation files into self-contained data tables within this MS Word questionnaire, thereby reducing the amount of cell-by-cell data entry that would be required to complete this form. This tool is a macro-enabled MS Excel file available for download from the Commission's generic questionnaires webpage (https://www.usitc.gov/trade_remedy/question.htm) called the "D-GRIDS tool." Use of this tool to help your firm complete this questionnaire is *optional*. Firms opting to use the D-GRIDS tool to populate their data into this questionnaire will need the D-GRIDS specification sheet PDF file specific to this proceeding (available on the case page which is linked under the "Background" above) which includes the necessary references relating to this questionnaire, as well as the macro-enable MS Excel D-GRIDS tool itself from the generic questionnaires page. More detailed instructions on how to use the D-GRIDS tool are available within the D-GRIDS tool itself.

- I-1a. **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 50 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-1b. **TAA information release.**--In the event that the U.S. International Trade Commission (USITC) makes an affirmative final determination in this proceeding, do you consent to the USITC's release of your contact information (company name, address, contact person, contact person's title, telephone number, email address) appearing on the front page of this questionnaire to the Departments of Commerce, Labor, and Agriculture, as applicable, so that your firm and its workers can be made eligible for benefits under the Trade Adjustment Assistance program?

☐ Yes

☐ No

- I-2a. **Establishments covered.**--Provide the city, state, zip code, and brief description of each establishment covered by this questionnaire. **Firms operating more than one establishment should combine the data for all establishments into a single report.**

"Establishment"--Each facility of a firm involved in the production of R-125, including auxiliary facilities operated in conjunction with (whether or not physically separate from) such facilities.

Establishments covered ¹	City, State	Zip (5 digit)	Description
1			
2			
3			
4			
5			
6			
¹ Additional discussion on establishments consolidated in this questionnaire: _____.			

- I-2b. **Stock symbol information.**-- If your firm or parent firm is publicly traded, please specify the stock exchange and trading symbol: _____.

- I-2c. **External counsel.**-- If your firm or parent firm is represented by external counsel in relation to this proceeding, please specify the name of the law firm and the lead attorney(s).

Law firm:	
Lead attorney(s):	

- I-3. **Petitioner status.**--Is your firm a petitioner in this proceeding or a member firm of the petitioning entity?

No	Yes
<input type="checkbox"/>	<input type="checkbox"/>

- I-4. **Petition support.**--Does your firm support or oppose the petition?

Country	Investigation type	Support	Oppose	Take no position
China	Antidumping duty	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
China	Countervailing duty	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

I-5. **Ownership**--Is your firm owned, in whole or in part, by any other firm?

☐ No☐ Yes--List the following information, relating to the ultimate parent/owner.

Firm name	Country	Extent of ownership (percent)

I-6. **Related importers/exporters**--Does your firm have any related firms, either domestic or foreign, that are engaged in importing R-125 from China into the United States or that are engaged in exporting R-125 from China to the United States?

☐ No☐ Yes--List the following information.

Firm name	Country	Affiliation

I-7. **Related producers**.--Does your firm have any related firms, either domestic or foreign, that are engaged in the production of R-125?

☐ No ☐ Yes--List the following information.

[illegible]

PART II.--TRADE AND RELATED INFORMATION

Further information on this part of the questionnaire can be obtained from Ahdia Bavari (202-205-3191, ahdia.bavari@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	

- II-2a. **Changes in operations.**--Please indicate whether your firm has experienced any of the following changes in relation to the production of R-125 since January 1, 2018.

<i>(check as many as appropriate)</i>		<i>(If checked, please describe the nature, date(s), and significance of any such reported changes as well as the business reasons for them; leave completely blank if not applicable)</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 (e.g., technology)	

- II-2b. **COVID-19 pandemic.**—Since January 1, 2020, has the COVID-19 pandemic or have any government actions taken to contain the spread of the COVID-19 virus resulted in changes in relation to your firm's supply chain arrangements, production, employment, and shipments relating to R-125?

No	Yes	If yes, describe these changes including a separate discussion of the (a) supply chain impact, (b) production and shipments impact, and (c) employment impact of the COVID-19 pandemic.
<input type="checkbox"/>	<input type="checkbox"/>	

- II-2c. **HFC blends anticircumvention inquiry.**—Have the 2019 anticircumvention inquiry proceedings on HFC blends resulted in changes in relation to your firm's supply chain arrangements, production, employment, and shipments relating to R-125?

No	Yes	If yes, describe these changes including a separate discussion of the (a) supply chain impact, (b) production and shipments impact, and (c) employment impact.
<input type="checkbox"/>	<input type="checkbox"/>	

II-3a. **Production using same machinery.**--Please report your firm's production of products using the same equipment, machinery, or employees as used to produce R-125, and the combined production capacity on this shared equipment, machinery, or employees in the periods indicated.

"Overall production capacity" or "capacity" – The level of production that your establishment(s) could reasonably have expected to attain during the specified periods. 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).

Note.--If your firm does not produce any out-of-scope merchandise on the same machinery and equipment as scope merchandise then the "overall production capacity" numbers reported in this question should be exactly equal to the "average production capacity" numbers reported in question II-7. If, however, your firm does produce out-of-scope merchandise using the same machinery and equipment as scope merchandise, then the "average production capacity" reported in question II-7 should exclude the portion of "overall production capacity" that was used to produce this out-of-scope merchandise.

"Production" – All production in your U.S. establishment(s), including production consumed internally within your firm and production for another firm under a toll agreement.

Quantity (in short tons)					
Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
Overall production capacity¹					
Production of:					
R-125 ²	0	0	0	0	0
Other products ³					
Total production using same machinery or workers	0	0	0	0	0
¹ Data reported for capacity (first line) should be greater than data reported for total production (last line). ² Data entered for production of R-125 will populate here once reported in question II-7. ³ Please identify these products: _____.					

II-3b. **Operating parameters.**--The production capacity reported in II-3a is based on the following operating parameters:

Hours per week	Weeks per year

- II-3c. **Capacity calculation.**--Please describe the methodology used to calculate overall production capacity reported in II-3a, and explain any changes in reported capacity.

--

- II-3d. **Production constraints.**--Please describe the constraint(s) that set the limit(s) on your firm's production capacity.

--

- II-4. **Product shifting.**—

- (a) Is your firm able to switch production (capacity) between R-125 and other products using the same equipment and/or labor?

No	Yes	If yes—(i.e., have produced other products or are able to produce other products) Please identify other actual or potential products.
<input type="checkbox"/>	<input type="checkbox"/>	

- (b) 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. **Tolling.**--Since January 1, 2018, has your firm been involved in a toll agreement regarding the production of R-125?

"Toll agreement"--Agreement between two firms whereby the first firm furnishes the raw materials and the second firm uses the raw materials to produce a product that it then returns to the first firm with a charge for processing costs, overhead, etc.

No	Yes	If yes--Please describe the toll arrangement(s) and name the firm(s) involved.
<input type="checkbox"/>	<input type="checkbox"/>	

II-6. **Foreign trade zones.**--

- (a) **Firm's FTZ operations.**--Does your firm produce R-125 in and/or admit R-125 into a foreign trade zone (FTZ)?

"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. A foreign trade zone must be designated as such pursuant to the rules and procedures set forth in the Foreign-Trade Zones Act.

No	Yes	If yes--Describe the nature of your firm's operations in FTZs and identify the specific FTZ site(s).
<input type="checkbox"/>	<input type="checkbox"/>	

- (b) **Other firms' FTZ operations.**--To your knowledge, do any firms in the United States import R-125 into a foreign trade zone (FTZ) for use in distribution of R-125 and/or the production of downstream articles?

No	Yes	If yes--Identify the firms and the FTZs.
<input type="checkbox"/>	<input type="checkbox"/>	

- II-7. **Production, shipment, and inventory data**--Report your firm's production capacity, production, shipments, and inventories related to the production of R-125 in its U.S. establishment(s) during the specified periods.

"Average production capacity" or "capacity" – The level of production that your establishment(s) could reasonably have expected to attain during the specified periods. 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 U.S. establishment(s), including production consumed internally within your firm and production for another firm under a toll agreement.

"Commercial U.S. 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" – Product consumed internally by your firm (e.g., blending into R-410A). Such transactions are valued at fair market value.

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

"Swaps" –For the purpose of this proceeding, shipments made commercially in arms-length transactions that involve non-monetary transfers and/or reciprocal exclusive purchase agreement with unrelated entities that involves other refrigerant components.

"Related firm" –A firm that your firm solely or jointly owned, managed, or otherwise controlled; a firm that solely or jointly owned, managed, or otherwise controlled your firm; and/or a firm that was solely or jointly owned, managed, or otherwise controlled by a firm that also solely or jointly owned, managed, or otherwise controlled your firm.

"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-7. Production, shipment, and inventory data.--Continued

Quantity (in short tons) and value (in \$1,000)					
Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
Average production capacity¹ (quantity) (A)					
Beginning-of-period inventories (quantity) (B)					
Production (quantity) (C)					
U.S. shipments:					
Commercial shipments:					
Quantity (D)					
Value (E)					
Internal consumption:^{2,3}					
Quantity (F)					
Value ² (G)					
Transfers to related firms:²					
Quantity (H)					
Value ² (I)					
Swaps:					
Quantity ³ (J)					
Value ⁴ (K)					
Export shipments:⁵					
Commercial shipments:					
Quantity (L)					
Value (M)					
Transfers to related firms:					
Quantity (N)					
Value ² (O)					
Swaps:					
Quantity ³ (P)					
Value ⁴ (Q)					
End-of-period inventories (quantity) (R)					

¹ 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 ____.

² Internal consumption and transfers to related firms must be valued at fair market value. If your firm uses a different basis for valuing these transactions in your records, please specify that basis (e.g., cost, cost plus, etc.): _____. However, the data provided above in this table should be based on fair market value.

³ Please (1) identify the companies from which your firm receives the goods or services in-kind, (2) indicate the particular goods or services in-kind received pursuant to your swap transactions, and (3) quantify any net monetary exchange included in the swap transactions in each calendar year: _____.

⁴ Report the value inclusive of the "in kind" value of any goods or services received plus the net monetary transferred in the swap transactions.

⁵ Identify your firm's principal export markets: _____.

II-7. **Production, shipment, and inventory data.**--Continued

RECONCILIATION OF SHIPMENTS, PRODUCTION, AND INVENTORY.--Generally, the data reported for the end-of-period inventories (i.e., line R) 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, J, L, N, and P). Please ensure that any differences are not due to data entry errors in completing this form, but rather reflect your firm's actual records; and, also provide explanations for any differences (e.g., theft, loss, damage, record systems issues, etc.) if they exist.

Reconciliation	Calendar year			January-June	
	2018	2019	2020	2020	2021
$B + C - D - F - H - J - L - N - P - R =$ should equal zero ("0") or provide an explanation. ¹	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-8. **Channels of distribution.**--Report your firm's U.S. shipments (i.e. inclusive of commercial U.S. shipments, internal consumption, transfers to related firms, and swaps) by channel of distribution in the specified periods.

Quantity (in short tons)					
Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
U.S. shipments: to Distributors and service companies (S)					
To HFC component blenders ¹ (T)					
To OEMs and other non-blender end users (U)					
¹ Identify the HFC component blenders: _____.					

RECONCILIATION OF CHANNELS.--Please ensure that the quantities reported for channels of distribution (i.e., lines S, T, and U) in each time period equal the quantity reported for U.S. shipments (i.e., line D, F, H, and J) in each time period. If the calculated fields below return values other than zero (i.e., "0"), the data reported must be revised prior to submission to the Commission.

Reconciliation item	Calendar year			January-June	
	2018	2019	2020	2020	2021
$S + T + U - D - F - H - J =$ zero ("0"), if not revise.	0	0	0	0	0

II-9. **Monthly U.S. shipments.**—Report your firm's U.S. shipments of R-125 by month.

Year	Month	Quantity (short tons)	Value (1,000 dollars)
2018	January		
	February		
	March		
	April		
	May		
	June		
	July		
	August		
	June		
	October		
	November		
	December		
2019	January		
	February		
	March		
	April		
	May		
	June		
	July		
	August		
	June		
	October		
	November		
	December		
2020	January		
	February		
	March		
	April		
	May		
	June		
	July		
	August		
	June		
	October		
	November		
	December		
2021	January		
	February		
	March		
	April		
	May		
	June		

RECONCILIATION OF MONTHLY IMPORTS.-- Please ensure that the total imports reported for full years 2018, 2019, 2020, and for the partial periods (e.g., January to June 2020, and January to June 2021) reported in part "a" of this question matches the monthly data reported here. If the calculated fields below return values other than zero (i.e., "0"), the data reported must be revised prior to submission to the Commission.

Reconciliation	Full year 2018	Full year 2019	Full year 2020	Jan-Jun 2020	Jan-Jun 2021
Quantity: Quantity of U.S. shipments here (II-6d) minus quantity of U.S. shipments (lines F, H, J, and L above in II-6a), revise if not returning zero ("0")	0	0	0	0	0
Value: Value of U.S. shipments here (II-5d) minus value of U.S. shipments (lines G, I, K, and M above in II-6a), revise if not returning zero ("0")	0	0	0	0	0

- II-10. **Employment data.**--Report your firm's employment-related data related to the production of R-125 and provide an explanation for any trends in these data.

"Production and Related Workers" (PRWs) includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspecting, receiving, storage, handling, packing, warehousing, shipping, trucking, hauling, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with the above production operations. Average number employed may be computed by adding the number of employees, both full time and part time, for the 12 pay periods ending closest to the 15th of the month and divide that total by 12. For the January to June periods, calculate similarly and divide by 9.

If your firm had the same number of PRWs in all calendar years and had not experienced any changes in PRWs in the most recent interim period, you would have the same number of PRWs for the interim periods, regardless of whether the interim periods are Jan-Mar (Q1), Jan-June (Q1+Q2), or Jan-Sept (Q1+Q2+Q3)."

"Hours worked" includes time paid for sick leave, holidays, and vacation time. Include overtime hours actually worked; do not convert overtime pay to its equivalent in straight time hours.

"Wages paid" --Total wages paid before deductions of any kind (e.g., withholding taxes, old-age and unemployment insurance, group insurance, union dues, bonds, etc.). Include wages paid directly by your firm for overtime, holidays, vacations, and sick leave.

Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
Average number of PRWs (<i>number</i>)					
Hours worked by PRWs (<i>1,000 hours</i>)					
Wages paid to PRWs (<i>\$1,000</i>)					

Explanation of trends:

- II-11. **Related firms.**--If your firm reported transfers to related firms in question II-7, please identify the firm(s) and indicate the nature of the relationship between your firm and the related firms (e.g., joint venture, wholly owned subsidiary), whether the transfers were priced at market value or by a non-market formula, whether your firm retained marketing rights to all transfers, and whether the related firms also processed inputs from sources other than your firm.

- II-12. **Purchases.**--Has your firm purchased R-125 produced in the United States or in other countries since January 1, 2018? (Do not include imports for which your firm was the importer of record. These should be reported in an importer questionnaire.)

"Purchase" – A transaction to buy product from a U.S. corporate entity such as another U.S. producer, a U.S. distributor, or a U.S. firm that has directly imported the product.

"Import" –A transaction to buy from a foreign supplier where your firm is the importer of record.

No	Yes	If yes--Report such purchases in the table below and explain the reasons for your firms' purchases.
<input type="checkbox"/>	<input type="checkbox"/>	

Note: If your firm served as the importer of record for any purchases from foreign suppliers, either for your own account or as a service for another entity, those purchases are to be considered "imports" not "purchases" and **should not** be included in the table below

(Quantity in short tons)					
Item	Calendar years			January-June	
	2018	2019	2020	2020	2021
Purchases from U.S. importers¹ of R-125 from— China					
All other sources					
Purchases from domestic producers²					
Purchases from other sources³					
¹ Please list the name of the importer(s) from which your firm purchased this product. If your firm's import suppliers differ by source, please identify the source for each listed supplier: _____. ² Please list the name of the U.S. producer(s) from which your firm purchased this product: _____. ³ Please list the name of the firm(s) from which your firm purchased this product: _____.					

- II-13. **Imports.**--Since January 1, 2018, has your firm imported R-125?

No	Yes	
<input type="checkbox"/>	<input type="checkbox"/>	If yes--<u>COMPLETE AND RETURN A U.S. IMPORTERS' QUESTIONNAIRE</u>

- II-14. **Captive production use.** — Please report the share of your firm's U.S. shipments of internal consumption, transfers to related firms, and/or swaps for the uses identified below in 2020. **These data should reconcile with the 2020 quantities reported in question II-7 (lines F, H, and J).**

Products	Calendar year 2020		
	Internal consumption	Swaps	Transfers to related firms
	(Quantity in short tons)		
Sold as is (Re-entry into merchant market)	N/A		
Blended into other products			
¹ Please describe these products: _____.			

RECONCILIATION OF CAPTIVE PRODUCTION USE. — The sum of the data reported above should be equal to the data reported in question II-7, lines F, H, and J, in 2020.

Reconciliation	Calendar year 2020
Internal consumption (line F in II-7) reconciliation.	0
Transfers to related parties (line H in II-7) reconciliation.	0
Swaps (line J in II-7) reconciliation.	0
¹ Explanation if the calculated fields above are returning values other than zero (i.e., "0") but are nonetheless accurate: _____.	

- II-15a. **R-125's share contribution to R-410A.** --Does your firm or a related firm produce R-410A using your firm's U.S.-produced R-125? (Please include only material inputs and do not include conversion costs in this analysis.)

No	Yes	If yes-- please indicate the share of your firm's internal transfers of R-125 in 2020 that was used to produce R-410A: _____ percent, and report below the share that R-125 accounts for of the material inputs used to produce R-410A.
<input type="checkbox"/>	<input type="checkbox"/>	

Material inputs used in R-410A production	Share of <u>value</u> accounted for in R-410A (percent)	Share of <u>cost of raw materials</u> accounted for in R-410A (percent)	Share of the <u>quantity</u> accounted for in R-410A (percent)
R-125			
All other material inputs			
Total (should sum to 100.0%)	0.0	0.0	0.0

- II-15b. **R-125's share contribution to R-404A.**--Does your firm or a related firm produce R-404A using your firm's U.S.-produced R-125? (Please include only material inputs and do not include conversion costs in this analysis.)

No	Yes	If yes-- please indicate the share of your firm's internal transfers of R-125 in 2020 that was used to produce R-404A: percent, and report below the share that R-125 accounts for of the material inputs used to produce R-404A.
<input type="checkbox"/>	<input type="checkbox"/>	

Material inputs used in R-404A production	Share of <u>value</u> accounted for in R-404A (<i>percent</i>)	Share of <u>cost of raw materials</u> accounted for in R-404A (<i>percent</i>)	Share of the <u>quantity</u> accounted for in R-404A (<i>percent</i>)
R-125			
All other material inputs			
Total (should sum to 100.0%)	0.0	0.0	0.0

- II-15c. **R-125's share contribution to R-407C.**--Does your firm or a related firm produce R-407C using your firm's U.S.-produced R-125? (Please include only material inputs and do not include conversion costs in this analysis.)

No	Yes	If yes-- please indicate the share of your firm's internal transfers of R-125 in 2020 that was used to produce R-407C: percent, and report below the share that R-125 accounts for of the material inputs used to produce R-407C.
<input type="checkbox"/>	<input type="checkbox"/>	

Material inputs used in R-407C production	Share of <u>value</u> accounted for in R-407C (<i>percent</i>)	Share of <u>cost of raw materials</u> accounted for in R-407C (<i>percent</i>)	Share of the <u>quantity</u> accounted for in R-407C (<i>percent</i>)
R-125			
All other material inputs			
Total (should sum to 100.0%)	0.0	0.0	0.0

- II-15d. **R-125's share contribution to R-507A.**--Does your firm or a related firm produce R-507A using your firm's U.S.-produced R-125? (Please include only material inputs and do not include conversion costs in this analysis.)

No	Yes	If yes-- please indicate the share of your firm's internal transfers of R-125 in 2020 that was used to produce R-507A: _____ percent, and report below the share that R-125 accounts for of the material inputs used to produce R-507A.
<input type="checkbox"/>	<input type="checkbox"/>	

Material inputs used in R-507A production	Share of <u>value</u> accounted for in R-507A (percent)	Share of <u>cost of raw materials</u> accounted for in R-507A (percent)	Share of the <u>quantity</u> accounted for in R-507A (percent)
R-125			
All other material inputs			
Total (should sum to 100.0%)	0.0	0.0	0.0

- II-15e. **R-125's share contribution to other downstream products.**-- Does your firm or related firm produce products other than those listed above out of your firm's production of R-125? If yes, identify each of these downstream products, including by their ASHRAE or other industry designation, if applicable, and report the share that R-125 accounts for in each for those products on both a value and quantity basis.

No	Yes	If yes-- Please identify each of these downstream products, including by their ASHRAE or other industry designation, if applicable, and please indicate the share of your firm's internal transfers of R-125 in 2020 that was used to produce the downstream product(s): _____ percent, and report below the share that R-125 accounts for of the material inputs used to produce the downstream product(s).
<input type="checkbox"/>	<input type="checkbox"/>	

Material inputs used in other blends using R-125	Share of <u>value</u> accounted for of the downstream product(s) (percent)	Share of <u>cost of raw materials</u> accounted for of the downstream product(s) (percent)	Share of the <u>quantity</u> accounted for of the downstream product(s) (percent)
R-125			
All other material inputs			
Total (should sum to 100.0%)	0.0	0.0	0.0

II-16. **R-125 component removal.**—Has your firm ever processed a blend to remove the R-125 in a covered blend to isolate the R-125 component?

No	Yes	If yes-- Please describe the process your company undertook to perform this. Identify any special facilities, equipment, or additional costs your company incurred from doing so.
<input type="checkbox"/>	<input type="checkbox"/>	

II-17. **Other explanations.**--If your firm would like to further explain a response to a question in Part II for which a narrative box was not provided, 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 III.--FINANCIAL INFORMATION

Address questions on this part of the questionnaire to Joanna Lo (202-205-1888, joanna.lo@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	

- III-2. **Accounting system.**—Please provide the following information on your firm's financial accounting system.

- A. When does your firm's fiscal year end (month and day)? _____
If your firm's fiscal year changed during the data-collection period, explain below:

Note.--Please provide all financial data in part III on a calendar year basis.

- B.1. Describe the lowest level of operations (e.g., plant, division, company-wide) for which financial statements are prepared that include R-125:
2. Does your firm prepare profit/loss statements for R-125:
☐ Yes ☐ No
3. How often did your firm (or parent company) prepare financial statements (including annual reports, 10Ks)? Please check relevant items below.
☐ audited, ☐ unaudited, ☐ annual reports, ☐ 10Ks, ☐ 10 Qs,
☐ monthly, ☐ quarterly, ☐ semi-annually, ☐ annually
4. Accounting basis: ☐ U.S. GAAP, ☐ IFRS, ☐ cash, ☐ tax, or ☐ other comprehensive basis of accounting (specify) _____

Note: As requested in Part I of this questionnaire, please keep all supporting documents/records used in the preparation of the financial data, as Commission staff may contact your firm regarding questions on the financial data. The Commission may also request that your company submit copies of the supporting documents/records (financial statements, including internal profit-and-loss statements for the division or product group that includes R-125, as well as specific statements and worksheets) used to compile these data.

- III-3. **Cost accounting system.**--Briefly describe your firm's cost accounting system (e.g., standard cost, job order cost, etc.). If your firm uses standard cost, how often does your firm review variances from standard cost (e.g. monthly, yearly)?

--

- III-4. **Allocation basis.**--Briefly describe your firm's allocation basis, if any, for COGS, SG&A, and interest expense and other income and expenses. Please also describe the method and types of documents/records used to compile your financial data.

--

- III-5a. **Product listing.**--Please list the products your firm produced in the facilities in which your firm produced R-125 and provide the share of net sales accounted for by these products in calendar year 2020.

Products	Share of sales in 2020
R-125	%
	%
	%
	%
	%

- III-5b. **Out-of-scope products at the same facility.**--Did your firm report sales of nonsubject product(s) at the same production facility? Please refer to the facilities listed in question I-2a and explain the share of net sales for other products and which facility sold these other products.

No	Yes	If yes, explain how these sales of nonsubject were generated at the same facility (e.g., different production lines for each product, the same equipment and/or workers as R-125, same facility but different buildings, etc.):
<input type="checkbox"/>	<input type="checkbox"/>	

- III-6. **Inputs from related suppliers.**--Does your firm purchase **inputs** (raw materials, labor, energy, or any services) used in the production of R-125 from any related suppliers (e.g., inclusive of transactions between related firms, divisions and/or other components within the same company)?

Yes--Continue to question III-7a	No—Skip to question III-9a.
<input type="checkbox"/>	<input type="checkbox"/>

- III-7a. **Inputs from related suppliers detailed.**--Please identify the inputs used in the production of R-125 that your firm purchases from related suppliers and that are reflected in question III-9a. For "Share of total COGS" please report this information by relevant input on the basis in calendar year 2020. For "Input valuation" please describe the basis, as recorded in your company's own accounting system, of the purchase cost from the related supplier; e.g., the related supplier's actual cost, cost plus, negotiated transfer price to approximate fair market value.

Input	Related supplier	Share of total COGS
Input valuation as recorded in the firm's accounting books and records		

- III-7b. **Inputs purchased from related suppliers.**--Please confirm that the inputs purchased from related suppliers, as identified in III-7, are reported in III-9a (financial results on R-125) in a manner consistent with your firm's accounting books and records.

Yes	No	If no--In the space below, please report the valuation basis of inputs purchased from related suppliers as reported in question III-9a.
<input type="checkbox"/>	<input type="checkbox"/>	

III-8a. **Swap accounting.**--From the perspective of revenue and cost, please describe the company's routine accounting treatment of R-125 swaps, including both non-monetary and monetary exchanges as part of an agreement with a nonrelated entity, since January 1, 2018.

"Swaps"--For the purpose of this proceeding, shipments made commercially in arms-length transactions that involve non-monetary transfers and/or reciprocal exclusive purchase agreement with unrelated entities that involves other refrigerant components.

For "swaps" please describe the basis, as recorded in your company's own accounting system, of the swap cost from the unrelated entity; e.g., fair market value ("FMV"), surrogate value, actual cost, cost plus, negotiated price to approximate fair market value.

Swap item	Swap partner name	
	Company 1:	Company 2:
Non-monetary exchanges (include how differences in swap volumes are resolved each year, how freight costs are recorded, and frequency of exchanges):		
Monetary or financial exchange for materials (include how volumes are established, delivered, and paid each year):		
Swap ratio(s):		
Describe the underlying basis of the swap ratio(s) and identity the factors that is most subject to change and why:		
Swap volume determination (include changes since January 1, 2018):		
Swap valuation in Honeywell's accounting books and records (include relevant GAAP rules):		
Swap valuation as reported in tables III-9a and III-9c (if different than internal records): If the valuation is not reported as FMV, please explain.		
Date (month and year) the swap agreement was established:		
Has swap agreements change since January 1, 2018? If yes, explain the primary reasons for the change.		
Additional explanations:		

- III-8b. **Out-of-swap transactions with swap partners.**--Please describe the company's routine accounting treatment of R-125 purchases not were not part of a swap and/or exclusive purchase agreement with companies reported in question III-8a since January 1, 2018.

Out-of-swap item	Swap partner name	
	Company 1:	Company 2:
Out-of-swap volume, if any (describe how out-of-swap transactions are predetermined, fit into the overall swap agreement and the circumstances when out-of-swap transactions generally take place):		
Out-of-swap volume and value with swap partners classification in tables III-9a and III-9c (e.g., commercial sales or swaps):		
Out-of-swap valuation in Honeywell's accounting books and records (include relevant GAAP rules):		
Out-of-swap valuation as reported in tables III-9a and III-9c (if different than internal records): Note--If the valuation is not reported as FMV, please explain.		
Are freight costs for out-of-swap sales to swap partners recorded differently than swap transactions? If yes, how are freight costs recorded?		
Has Honeywell been unable to sell R-125 to swap partners outside of predetermined swap agreements?		
Additional explanations:		

- III-8c. **Basis of renegotiation of swap values and/or swap ratios.**--In the recent past to include the period examined, has your swap partners agreed to increase the HFC component amount swapped for R-125 and/or the assigned R-125 value? If so, please describe the circumstances.

--

III-9a. **Operations on R-125.**--Report the revenue and related cost information requested below on the R-125 operations of your firm's U.S. establishment(s).¹ Do not report resales of products. Note that transfers to related firms, internal consumption, and swaps (R-125 exchanged for another HFC component as part of an agreement and reported in the revenue section of this table). Input purchases from related suppliers should be consistent with and based on information in the firm's accounting books and records. Provide data for calendar years 2018, 2019, 2020, and for the specified interim periods.

"Commercial sales to non-swap entities"—For the purpose of this proceeding, do not include commercial sales to swap partners listed in questions III-8a and/or III-8b, regardless of whether these sales were volumes or amounts beyond the swap and/or purchase agreements. Include commercial sales to companies with whom your firm does not have any agreement.

"R-125 to swap partner"—For the purpose of this proceeding, include sales to companies with whom your firm has a swap and/or purchase agreements, even if the volume of R-125 sold to swap partners were beyond the agreements.

Quantity (in short tons) and value (in \$1,000)					
Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
Net sales quantities: ²					
Commercial sales to non-swap entities					
R-125 to swap partner 1 (see question III-8b)					
R-125 to swap partner 2 (see question III-8b)					
Total net commercial sales quantities ("CS")	0	0	0	0	0
Internal consumption ("IC")					
Transfers to related firms ("Transfers")					
Total net sales quantities	0	0	0	0	0
Net sales values: ²					
Commercial sales to non-swap entities					
R-125 to swap partner 1 (see question III-8b)					
R-125 to swap partner 2 (see question III-8b)					
Total net commercial sales values	0	0	0	0	0
Internal consumption					
Transfers to related firms					
Total net sales values	0	0	0	0	0
Cost of goods sold (COGS): ³					
Hydrofluoric acid					
Perchloroethylene ("PCE")					
Other raw materials					
Total raw material costs	0	0	0	0	0
Direct labor					
Other factory costs					
Total COGS	0	0	0	0	0
Gross profit or (loss)	0	0	0	0	0

Table continued on following page.

III-9a. **Overall operations on R-125.—Continued**

Quantity (<i>in short tons</i>) and value (<i>in \$1,000</i>)					
Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
Selling, general, and administrative ("SG&A") expenses					
Operating income (loss)	0	0	0	0	0
Other expenses and income:					
Interest expense					
All other expense items					
All other income items					
Net income or (loss) before income taxes	0	0	0	0	0
Depreciation/amortization included above					
¹ Include only sales (whether <u>domestic or export</u>) and costs related to your <u>U.S. manufacturing operations</u> . ² Less discounts, returns, allowances, and prepaid freight. The quantities and values should approximate the corresponding shipment quantities and values reported in Part II of this questionnaire. ³ COGS (whether for domestic or export sales) should include <u>costs associated with CS, Transfers, IC, and Swaps</u> . Costs associated with input purchases from related suppliers should be consistent with and based on information in the firm's accounting books and records.					

Note --The table above contains calculations that will appear when you have entered data in the MS Word form fields.

III-9b. **Open market operations (U.S. commercial shipments and commercial exports only) on R-125.-**

-Report the revenue and related cost information requested below on the R-125 operations of your firm's U.S. establishment(s).¹ Include both the domestic and export commercial sales of R-125 producer by your firm, but do not report the resale of R-125. Input purchases from related suppliers should be consistent with and based on information in the firm's accounting books and records. Provide data for calendar years 2018, 2019, 2020, and for the specified interim periods.

Quantity (in short tons) and value (in \$1,000)					
Item	Calendar year			January-June	
	2018	2018	2019	2019	2020
Total net commercial sales and swaps quantities ("CS")²	0	0	0	0	0
Total net commercial sales and swaps values²	0	0	0	0	0
Cost of goods sold (COGS):³					
Hydrofluoric acid					
Perchloroethylene ("PCE")					
Other raw materials					
Total raw material costs	0	0	0	0	0
Direct labor					
Other factory costs					
Less: byproduct revenue					
Total COGS	0	0	0	0	0
Gross profit or (loss)	0	0	0	0	0
SG&A expenses					
Operating income (loss)	0	0	0	0	0
Other expenses and income:					
Interest expense					
All other expense items					
All other income items					
Net income or (loss) before income taxes	0	0	0	0	0
Depreciation/amortization included above					

¹ Include only sales (whether domestic or export) and costs related to your U.S. manufacturing operations.

² Less discounts, returns, allowances, and prepaid freight. The quantities and values should approximate the corresponding shipment quantities and values reported in Part II of this questionnaire. Total commercial sales quantity and value amounts reported in this table will auto populate from corresponding total commercial sales quantity and value amounts reported in table III-9a.

³ COGS (whether for domestic or export sales) should include costs associated with CS. Costs associated with input purchases from related suppliers should be consistent with and based on information in the firm's accounting books and records.

Note --The table above contains calculations that will appear when you have entered data in the MS Word form fields.

III-9c. **Financial data checklist.**--Please check that the financial data in question III-9a and III-9b have been correctly reported.

Item	✓ if Yes
Confirm the following regarding your financial data in question III-9a and/or III-9b:	
CS (including swaps) are net of (i.e., less) any discounts, returns, or allowances to customers?	<input type="checkbox"/>
CS (including swaps) do not include prepaid freight costs and any other freight costs to customers from your U.S. point of shipment?	<input type="checkbox"/>
{Applies to III-9a only} IC and transfers to related firms are reported at fair market value?	<input type="checkbox"/>
{Applies to III-9a only} IC and Transfers are net of (i.e., less) any discounts, returns, or allowances to customers?	<input type="checkbox"/>
{Applies to III-9a only} IC and Transfers exclude prepaid freight costs and any other freight costs to customers from your U.S. point of shipment?	<input type="checkbox"/>
COGS excludes finished goods freight to customers?	<input type="checkbox"/>
SG&A excludes finished goods freight to customers?	<input type="checkbox"/>
All costs exclude finished goods freight to customers?	<input type="checkbox"/>
If you did not ✓ Yes in any of the boxes above, go back to the relevant question(s) and revise your response.	

III-9d. **Financial data reconciliation.**--The calculable line items from questions III-9a and III-9b (i.e., total net sales quantities and values, total COGS, gross profit (or loss), total SG&A, and net income (or loss)) have been calculated from the data submitted in the other line items. Do the calculated fields return the correct data according to your firm's financial records ignoring non-material differences that may arise due to rounding?

		If no-- If the calculated fields do not show the correct data, please double check the feeder data for data entry errors and revise. Also, check signs accorded to the post operating income line items; the two expense line items should report positive numbers (i.e., expenses are positive and incomes or reversals are negative--instances of the latter should be rare in those lines) while the income line item also in most instances should have its value be a positive number (i.e., income is positive, expenses or reversals are negative). If after reviewing and potentially revising the feeder data your firm has provided, the differences between your records and the calculated fields persist please identify and discuss the differences in the space below.
Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	

- III-10. **Nonrecurring items (charges and gains) included in the subject product financial results.**--For each annual and interim period for which financial results are reported in questions III-9a and III-9b, please specify all material (significant) nonrecurring items (charges and gains) in the schedule below, the specific question III-9a line item where the nonrecurring items are included, a brief description of the relevant nonrecurring items, and the associated values (*in \$1,000*), as reflected in questions III-9a and/or III-9b; i.e., if an aggregate nonrecurring item has been allocated to question III-9a and/or III-9b, only the allocated value amount included in questions III-9a and/or III-9b should be reported in the schedule below.

Note: The Commission's objective here is to gather information only on material (significant) nonrecurring items which impacted the reported financial results.

Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
	Value (\$1,000)				
Nonrecurring item 1					
Nonrecurring item 2					
Nonrecurring item 3					
Nonrecurring item 4					
Nonrecurring item 5					
Nonrecurring item 6					
Nonrecurring item 7					

Nonrecurring item: In this table please provide a brief description of each nonrecurring item reported above and indicate the specific line item in questions III-9a and/or III-9b where the nonrecurring item is classified.

	Description of the nonrecurring item	Income statement classification of the nonrecurring item
Nonrecurring item 1		
Nonrecurring item 2		
Nonrecurring item 3		
Nonrecurring item 4		
Nonrecurring item 5		
Nonrecurring item 6		
Nonrecurring item 7		

- III-11. **Classification of identified nonrecurring items (charges and gains) in the accounting books and records of the company.**--If non-recurring items were reported in question III-10 above, please identify where your company recorded these items in your accounting books and records in the normal course of business; i.e., just as responses to question III-10 identify where these items are reported in questions III-9a and/or III-9b.

--

III-12a. **Asset values.**--Report the total assets (i.e., both current and long-term assets) associated with the production, warehousing, and sale of R-125. If your firm does not maintain some or all of the specific asset information necessary to calculate total assets for R-125 in the normal course of business, please estimate this information based upon a method (such as production, sales, or costs) that is consistent with relevant cost allocations in questions III-9a (overall market) and III-9b (merchant market). Provide data for calendar years 2018, 2019, and 2020.

Note: Total assets should reflect net assets after any accumulated depreciation and allowances deducted.

Total assets should be allocated to the subject products if these assets are also related to other products. Please provide a brief explanation if there are any substantial changes in total asset value during the period; e.g., due to asset write-offs, revaluation, and major purchases.

Value (in dollars)			
Item	Calendar year		
	2018	2019	2020
Total assets (net)			

III-12b. **Description of reported assets.**--Please describe the main asset categories (both current and long-term assets) in the above response. Provide a brief explanation if there are any substantial changes in total asset value during the period; e.g., due to asset write-offs, revaluation, and major purchases.

- III-13a. **Capital expenditures and research and development expenses.**--Report your firm's capital expenditures and research and development ("R&D") expenses for R-125. Provide data for calendar years 2018, 2019, 2020, and for the specified interim periods.

Value (in dollars)					
Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
Capital expenditures					
R&D expenses					

- III-13b. **Description of reported capital expenditures.**—Please describe the nature, focus, and significance of your firm's reported capital expenditures as it relates to R-125. If no capital expenditure data are reported, please explain the reason.

- III-13c. **Description of reported R&D expenses.**--Please describe the nature, focus, and significance of your firm's reported R&D expenses as it relates to R-125. If no capital expenditure data are reported, please explain the reason.

III-14. **Data consistency and reconciliation.**--Please indicate whether your firm's financial data on a calendar year basis. Please confirm that your firm reported these data on a calendar-year basis:

Yes	No	If no, please explain.
<input type="checkbox"/>	<input type="checkbox"/>	

Please note the quantities and values reported in question III-9a and/or III-9b should reconcile with the data reported in question II-7 (including export shipments) as long as they are reported on the same calendar year basis.

***RECONCILIATION OF TRADE VS FINANCIAL DATA.**--Please ensure that the quantities and values reported for total shipments in Part II equal the quantities and values reported for total net sales in Part III of this questionnaire in each time period unless the financial data from Part III are reported on a fiscal year basis, in which case only the interim periods must reconcile. If the calculated fields below return values other than zero (i.e., "0") and both are being reported on a calendar basis, please explain the discrepancy below.*

Reconciliation	Calendar year			January-June	
	2018	2019	2020	2020	2021
Quantity: Trade data from question II-7 (lines D, F, H, and J) less financial total net sales quantity data from question III-9a, = zero ("0").	0	0	0	0	0
Value: Trade data from question II-7 (lines E, G, I, and K) less financial total net sales value data from question III-9a, = zero ("0").	0	0	0	0	0

Do these data in question III-9a reconcile with data in question II-7?

Yes	No	If no, please explain.
<input type="checkbox"/>	<input type="checkbox"/>	

If your responses to any of the items in questions III-15, III-16, and III-17 differ by country, please describe these differences and, as applicable, indicate which country or countries your response refers to in the relevant form fields.

- III-15. **Effects of imports on investment.**--Since January 1, 2018, has your firm experienced any actual negative effects on its return on investment or the scale of capital investments as a result of imports of R-125 from China?

No	Yes	If yes, my firm has experienced actual negative effects as follows.
<input type="checkbox"/>	<input type="checkbox"/>	

<i>(check as many as appropriate)</i>		<i>(please describe)</i>
<input type="checkbox"/>	Cancellation, postponement, or rejection of expansion projects	
<input type="checkbox"/>	Denial or rejection of investment proposal	
<input type="checkbox"/>	Reduction in the size of capital investments	
<input type="checkbox"/>	Return on specific investments negatively impacted	
<input type="checkbox"/>	Other	

- III-16. **Effects of imports on growth and development.**--Since January 1, 2018, has your firm experienced any actual negative effects on its growth, ability to raise capital, or existing development and production efforts (including efforts to develop a derivative or more advanced version of the product) as a result of imports of R-125 from China?

No	Yes	
<input type="checkbox"/>	<input type="checkbox"/>	If yes, my firm has experienced actual negative effects as follows.

<i>(check as many as appropriate)</i>		<i>(please describe)</i>
<input type="checkbox"/>	Rejection of bank loans	
<input type="checkbox"/>	Lowering of credit rating	
<input type="checkbox"/>	Problem related to the issue of stocks or bonds	
<input type="checkbox"/>	Ability to service debt	
<input type="checkbox"/>	Other	

III-17. **Anticipated effects of imports.**--Does your firm anticipate any negative effects due to imports of R-125 from China?

No	Yes	If yes, my firm anticipates negative effects as follows.
<input type="checkbox"/>	<input type="checkbox"/>	

III-18. **Effects on financial performance of COVID-19.**— Since January 1, 2020, has the COVID-19 pandemic or have any government actions taken to contain the spread of the COVID-19 virus affected the financial performance of your firm's operations on R-125 as reported in III-9a?

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

III-19. **Other explanations.**--If your firm would like to further explain a response to a question in Part III for which a narrative box was not provided, 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.--PRICING AND MARKET FACTORS

Further information on this part of the questionnaire can be obtained from Tyler Martin (202-205-3198, tyler.martin@usitc.gov).

- IV-1. **Contact information.**--Please identify the individual that Commission staff may contact regarding the confidential information submitted in Part IV.

Name	
Title	
Email	
Telephone	

PRICE DATA

- IV-2. This question requests quarterly quantity and value data for your firm's commercial shipments to unrelated U.S. customers since January 1, 2018 of the following products produced by your firm.

Product 1.--Pentafluoroethane, more commonly referred to as R-125, with a chemical composition of CF_3CHF_2 , sold in bulk.

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 to your firm (i.e., should be net of all deductions for discounts or rebates).

- IV-2a. During January 2018-June 2021, did your firm produce and sell to unrelated U.S. customers any of the above listed products (or any products that were competitive with these products)?

<input type="checkbox"/>	Yes. --Please complete the following pricing data table as appropriate.
<input type="checkbox"/>	No. --Skip to question IV-3.

IV-2b. **Price data.**--Report below the quarterly price data¹ for pricing products² produced and sold by your firm.

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

(Quantity in short tons, value in dollars)		
Period of shipment	Product 1	
	Quantity	Value
2018:		
January-March		
April-June		
July-September		
October-December		
2019:		
January-March		
April-June		
July-September		
October-December		
2020:		
January-March		
April-June		
July-September		
October-December		
2021:		
January-March		
April-June		

¹ 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. Please subtract any discounts, rebates, and returns from the quarter in which the sale occurred.

² 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:

IV-2c. **Price data checklist.**--Please check that the pricing data in question IV-2(b) has been correctly reported.

Are the price data reported above:	✓ if Yes
In actual dollars (not \$1,000)?	<input type="checkbox"/>
F.o.b. U.S. point of shipment (i.e., does not include U.S. transport costs)?	<input type="checkbox"/>
Have discounts, rebates, and returns been credited to the quarter in which the sale occurred?	<input type="checkbox"/>
Net of all discounts and rebates?	<input type="checkbox"/>
Have returns credited to the quarter in which the sale occurred?	<input type="checkbox"/>
Less than reported commercial shipments in question II-7 in each year?	<input type="checkbox"/>

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

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.

- IV-3. **Price setting.**--How does your firm determine the prices that it charges for sales of R-125 (*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
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

- IV-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
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

- IV-5. **Pricing terms.**--On what basis are your firm's prices of domestic R-125 usually quoted (*check one*)?

Delivered	F.o.b.	If f.o.b., specify point
<input type="checkbox"/>	<input type="checkbox"/>	

- IV-6. **Contract versus spot.**--Approximately what share of your firm's sales of its U.S.-produced R-125 in 2020 was on a (1) short-term contract basis, (2) annual contract basis, (3) long-term contract basis, and (4) spot sales basis?

Item	Type of sale				Total (should sum to 100.0%)
	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)	Spot sales (for a single delivery)	
Share of 2020 sales	%	%	%	%	0.0 %

IV-7. **Contract provisions.**--Please fill out the table regarding your firm's typical sales contracts for U.S.-produced R-125 (or check "not applicable" if your firm does not sell on a short-term, annual and/or long-term 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	No. of days		365	
Price renegotiation (during contract period)	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	No	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fixed quantity and/or price	Quantity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Price	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Both	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Indexed to raw material costs ¹	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	No	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Not applicable		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
¹ Please identify the indexes used: _____.				

IV-8. **Lead times.**--What share of your firm's sales is 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 its U.S.-produced R-125?

Source	Share of 2020 sales	Lead time (Average number of days)
From inventory	%	
Produced to order	%	
Total (should sum to 100.0%)	0.0 %	

IV-9. Shipping information.--

(a) Who generally arranges the transportation to your firm's customers' locations?

☐ Your firm ☐ Purchaser (*check one*)

(b) Indicate the approximate percentage of your firm's sales of R-125 that are delivered the following distances from its production facility.

Distance from production facility	Share
Within 100 miles	%
101 to 1,000 miles	%
Over 1,000 miles	%
Total (should sum to 100.0%)	0.0 %

IV-10. Geographical shipments.--In which U.S. geographic market area(s) has your firm sold its U.S.-produced R-125 since January 1, 2018 (check all that apply)?

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

IV-11. Inland transportation costs.--What is the approximate percentage of the cost of U.S.-produced R-125 that is accounted for by U.S. inland transportation costs? _____ percent

IV-12. **End uses.**--List the end uses of the R-125 that your firm manufactures. For each end-use product, what percentage of the total cost is accounted for by R-125 and other inputs?

End-use product	Share of total cost of end use product accounted for by		Total (should sum to 100.0% across)
	R-125	Other inputs	
	%	%	0.0 %
	%	%	0.0 %
	%	%	0.0 %

IV-13. **Substitutes.**--Can other products be substituted for R-125?

☐ No

☐ Yes--Please fill out the table.

Substitute	End use in which this substitute is used	Have changes in the price of this substitute affected the price for R-125?		
		No	Yes	Explanation
1.		<input type="checkbox"/>	<input type="checkbox"/>	
2.		<input type="checkbox"/>	<input type="checkbox"/>	
3.		<input type="checkbox"/>	<input type="checkbox"/>	

IV-14a. **Demand trends.**--Indicate how demand within the United States and outside of the United States (if known) for R-125 has changed since January 1, 2018. Explain any trends and describe the principal factors (e.g., the impact of the COVID-19 pandemic) that have affected these changes in demand.

Market	Overall increase	No change	Overall decrease	Fluctuate with no clear trend	Explanation and factors
Within the United States	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Outside the United States	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

IV-14b. **HFC Blends Order impact on R-125 demand.**--Did the HFC Blends Order (81 Fed. Reg. 55436 (Aug. 19, 2016) (the "Blends Order")) have an impact on the R-125 market in the United States?

Yes — Please indicate the impact in the table below.	No	Don't know
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Factor	Overall increase	No change	Overall decrease	Fluctuate with no clear trend	Explain, noting how the impact of the Blends Order affected each factor of the R-125 market in the United States.
Supply of U.S.-produced R-125	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Supply of R-125 imported from China	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Supply of R-125 imported from other countries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Prices for R-125	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Overall U.S. demand for R-125	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw material costs for R-125	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

IV-15. **Product changes.**--Have there been any significant changes in the product range, product mix, or marketing of R-125 since January 1, 2018?

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

IV-16. Conditions of competition.--

- (a) Is the R-125 market subject to business cycles (other than general economy-wide conditions) and/or other conditions of competition distinctive to R-125? If yes, describe.

Check all that apply.	Please describe.
<input type="checkbox"/> No	Skip to question IV-17.
<input type="checkbox"/> Yes-Business cycles (e.g. seasonal business)	
<input type="checkbox"/> Yes-Other distinctive conditions of competition	

- (b) If yes, have there been any changes in the business cycles or conditions of competition for R-125 since January 1, 2018?

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

IV-17. Supply constraints.--

- (a) Has your firm refused, declined, or been unable to supply R-125 at any time between January 1, 2018 and January 12, 2021 (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, being unable to meet timely shipment commitments, impact from changes in operations listed in II-2a, etc.)?

No	Yes	If yes, please describe, including the reason, timing, and duration of the constraint.

- (b) Has your firm experienced any supply constraints since the petition was filed on January 12, 2021?

No	Yes	If yes, please describe, including the reason, timing, and duration of the constraint.

IV-18. **Raw materials.**--How have R-125 raw material prices changed since January 1, 2018?

Overall increase	No change	Overall decrease	Fluctuate with no clear trend	Explain, noting how raw material price changes have affected your firm's selling prices for R-125.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

IV-19. **Interchangeability.**--Is R-125 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:

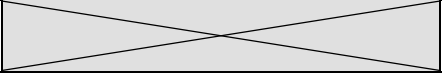
A = the products from a specified country-pair are *always* interchangeable

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	China	Other countries
United States		
China		
<p>For any country-pair producing R-125 that is <i>sometimes</i> or <i>never</i> interchangeable, identify the country-pair and explain the factors that limit or preclude interchangeable use:</p>		

- IV-20. **Factors other than price.**--Are differences other than price (e.g., quality, availability, transportation network, product range, technical support, *etc.*) between R-125 produced in the United States and in other countries a significant factor in your firm's sales of the products?

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	China	Other countries
United States		
China		
<p>For any country-pair for which factors other than price <i>always</i> or <i>frequently</i> are a significant factor in your firm's sales of R-125, identify the country-pair and report the advantages or disadvantages imparted by such factors:</p>		

IV-21. **Customer identification.**--List the names and contact information for your firm's 10 largest U.S. customers for R-125 since January 1, 2018. Indicate the share of the quantity of your firm's total shipments of R-125 that each of these customers accounted for in 2020.

	Customer's name	City	State	Share of 2020 sales (%)
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

IV-22. Competition from imports.--

- (a) **Lost revenue.**--Since January 1, 2018: To avoid losing sales to competitors selling R-125 from China, did your firm:

Item	No	Yes
Reduce prices	<input type="checkbox"/>	<input type="checkbox"/>
Roll back announced price increases	<input type="checkbox"/>	<input type="checkbox"/>

- (b) **Lost sales.**--Since January 1, 2018: Did your firm lose sales of R-125 to imports of this product from China?

No	Yes
<input type="checkbox"/>	<input type="checkbox"/>

- III-23. **Impact of section 301 tariffs.**-- Did the imposition of tariffs on Chinese-origin R-125 blends under section 301 have an impact on the stand-alone R-125 market in the United States? If so, please describe the impact of those tariffs on stand-alone R-125.

- IV-24. **Other explanations.**--If your firm would like to further explain a response to a question in Part IV for which a narrative response box was not provided, 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 V.--ALTERNATIVE PRODUCT INFORMATION

Further information on this part of the questionnaire can be obtained from Ahdia Bavari (202-205-3191, ahdia.bavari@usitc.gov).

V-1. **Comparability of standalone R-125 vs. R-125 component in covered blends.**-- For each of the following indicate whether listed R-125 products are: fully comparable or the same, *i.e.*, have no differentiation between them; mostly comparable or similar; somewhat comparable or similar; never or not-at-all comparable or similar; or no familiarity with products.

F: fully comparable or the same, *i.e.*, have no differentiation between them;

M: mostly comparable or similar;

S: somewhat comparable or similar;

N: never or not-at-all comparable or similar; or

O: no familiarity with products.

(a) **Physical Characteristics and End Uses.**--The differences and similarities in the physical characteristics and end uses.

Product-pair	Comparison	Please provide a narrative discussion for the comparability ratings you provided in terms of their <u>physical characteristics and uses</u> :
Standalone R-125 vs. R-125 component in covered blends		

V-1. **Comparability of standalone R-125 vs. R-125 component in covered blends.**--*Continued*

- F: fully comparable or the same, *i.e.*, have no differentiation between them;
M: mostly comparable or similar;
S: somewhat comparable or similar;
N: never or not-at-all comparable or similar; or
O: no familiarity with products.

(b) **Interchangeability.**--The ability to substitute the products in the same application.

Product-pair	Comparison	Please provide a narrative discussion for the comparability ratings you provided in terms of their <u>interchangeability</u> :
Standalone R-125 vs. R-125 component in covered blends		

(c) **Channels of distribution.**--Channels of distribution/market situation through which the products are sold (*i.e.*, sold direct to end users, through wholesaler/distributors, etc.).

Product-pair	Comparison	Please provide a narrative discussion for the comparability ratings you provided in terms of their <u>channels of distribution</u> :
Standalone R-125 vs. R-125 component in covered blends		

V-1. **Comparability of standalone R-125 vs. R-125 component in covered blends.**--*Continued*

- F: fully comparable or the same, *i.e.*, have no differentiation between them;
M: mostly comparable or similar;
S: somewhat comparable or similar;
N: never or not-at-all comparable or similar; or
O: no familiarity with products.

- (d) **Manufacturing facilities, production processes, and production employees.**--Whether manufactured in the same facilities, from the same inputs, on the same machinery and equipment, and using the same employees.

Product-pair	Comparison	Please provide a narrative discussion for the comparability ratings you provided in terms of their <u>manufacturing facilities, production processes, and production employees</u> :
Standalone R-125 vs. R-125 component in covered blends		

- (e) **Customer and producer perceptions.**--Perceptions as to the differences and/or similarities in the market (*e.g.*, sales/marketing practices).

Product-pair	Comparison	Please provide a narrative discussion for the comparability ratings you provided in terms of their <u>customer and product perceptions</u> :
Standalone R-125 vs. R-125 component in covered blends		

V-1. **Comparability of standalone R-125 vs. R-125 component in covered blends.**--*Continued*

F: fully comparable or the same, *i.e.*, have no differentiation between them;
M: mostly comparable or similar;
S: somewhat comparable or similar;
N: never or not-at-all comparable or similar; or
O: no familiarity with products.

(f) **Price.**--Whether prices are comparable or differ between the products.

Product-pair	Comparison	Please provide a narrative discussion for the comparability ratings you provided in terms of their <u>price</u> :
Standalone R-125 vs. R-125 component in covered blends		

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/2021/pentafluoroethane_r_125_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: PENT

- **E-mail.**—E-mail the MS Word questionnaire to ahdia.bavari@usitc.gov; include a scanned copy of the signed certification page (page 1). *Submitters are strongly encouraged to encrypt nonpublic documents that are electronically transmitted to the Commission to protect your sensitive information from unauthorized disclosure. The USITC secure drop-box system and the Electronic Document Information System (EDIS) use Federal Information Processing Standards (FIPS) 140-2 cryptographic algorithms to encrypt data in transit. Submitting your nonpublic documents by a means that does not use these encryption algorithms (such as by email) may subject your firm’s nonpublic information to unauthorized disclosure during transmission. If you choose a non-encrypted method of electronic transmission, the Commission warns you that the risk of such possible unauthorized disclosure is assumed by you and not by the Commission.*

If your firm does not produce this product, 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).