R-32 from China Inv. No. 731-TA-1472 (Prelim.)

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On Behalf of

Arkema

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Conditions of Competition

Injury

Threat



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Conditions of Competition

- •Domestic and subject R-32 are highly substitutable and interchangeable commodity-like products
- •Demand for R-32 is highly inelastic making the domestic industry especially susceptible to injury
- •China is the dominant global supplier of R-32
- •Unfair R-32 imports face no barriers to entering the U.S. market
- •The increase in R-32 demand resulting from the blends order was largely offset by new entrants importing unfairly traded subject merchandise



Domestic and Subject Imported R-32 are Highly Substitutable

- •R-32 or Difluoromethane has the chemical formula CH_2F_2 , and is registered as CAS No. 75-10-5
- •There is high substitutability between the products based on adherence to a standard



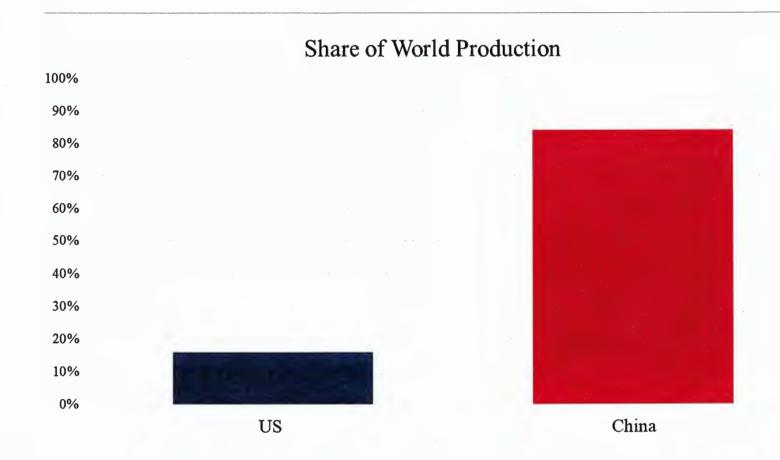
Inelastic Demand

•There are no substitutes for R-32 in its end uses

•R-32 is a small cost share in its ultimate end use applications

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China is the Dominant Global Supplier of R-32



Source: IHS Market Report. Petition Exhibit I-2



Unfair R-32 Imports Face No Barriers to Entry into the U.S. Market

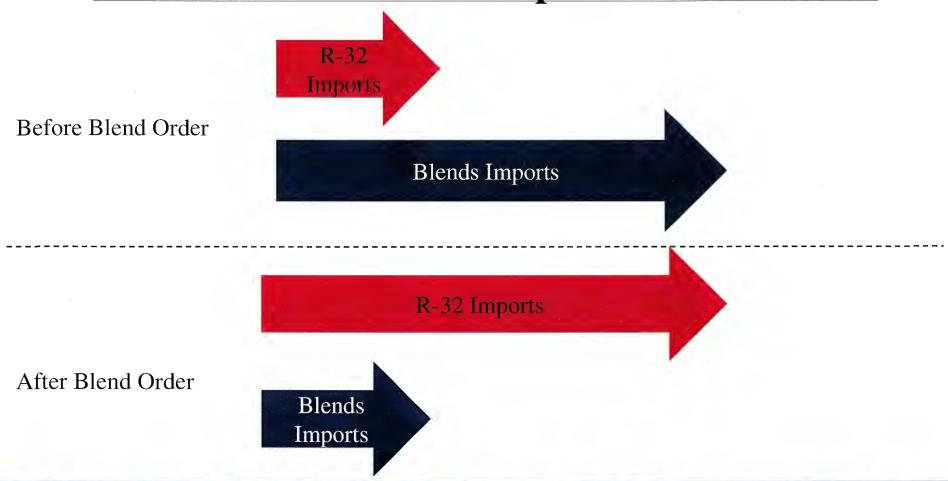
•No barriers to sale

•No barriers to distribution

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Increase in U.S. R-32 Demand due to Blends Order was Offset by Unfairly

Traded Imports





Conditions of Competition

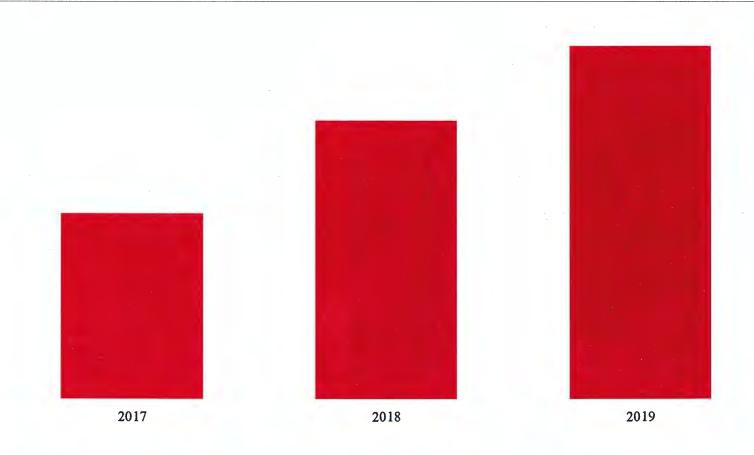
Injury

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Volume

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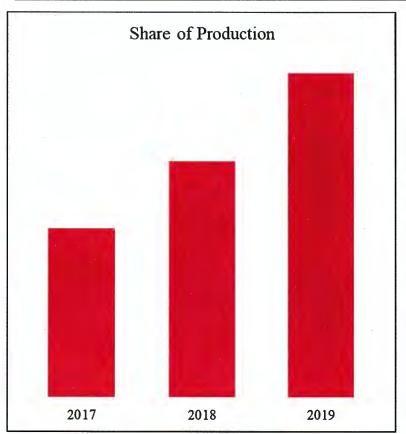
Imports are Increasing Absolutely

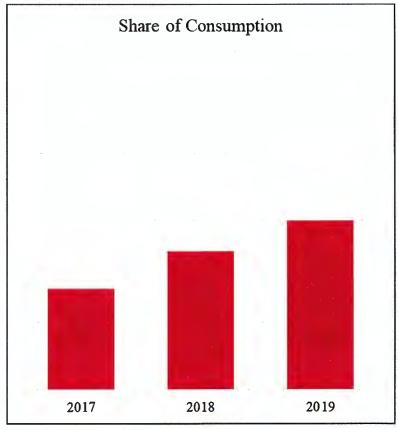


Volume

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Imports are Increasing as a Share of Consumption and Production









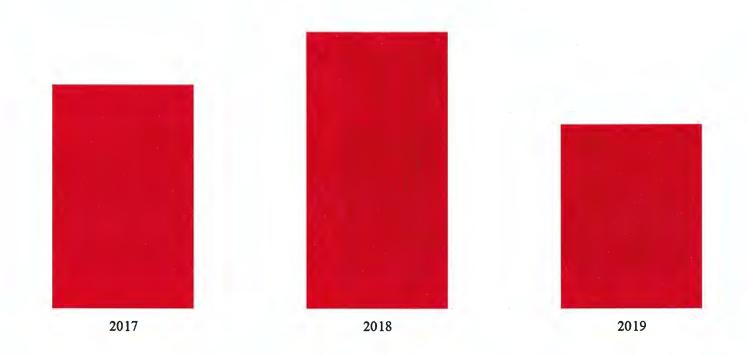
Underselling

- •The record shows price suppression throughout the POI as demonstrated by a cost-price squeeze
- •Using a longer series beginning in 2016, the same pattern exists



Price Suppression: Cost Price Squeeze









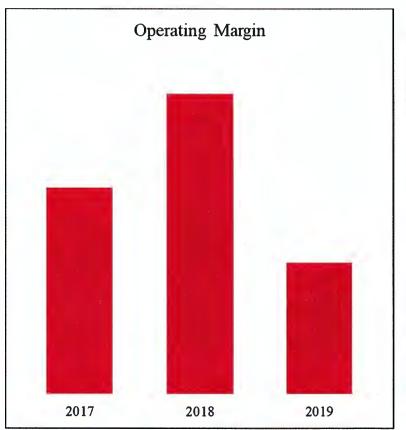
Lost Sales/Lost Revenues

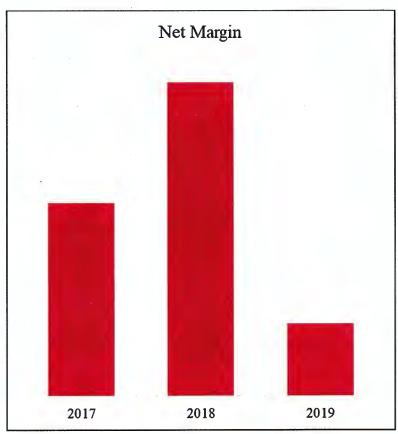
- Lost sales in contract negotiations
- Lower prices due to meet and release
- Lower prices in contract negotiations

Effects

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Operating Income and Net Income Decreased

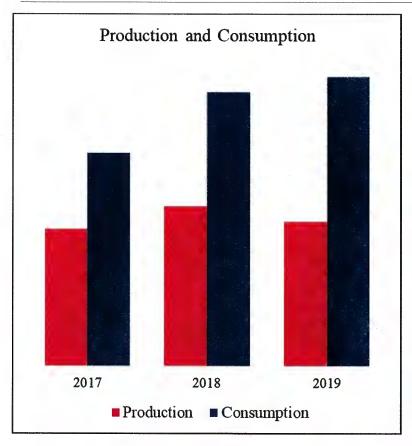


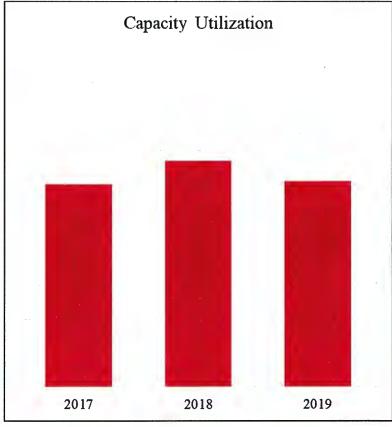


Effects

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Production Has Increased Less than Proportionally with Demand







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Threat of Material Injury

- •The Chinese R-32 industry is under-utilized
 - Chinese capacity to produce R-32 increased throughout the POI and continues to grow
 - From Q2 2017 through November 2019 Chinese capacity grew by 81%
 - The Chinese R-32 industry is export-oriented
 - Chinese exports of R-32 increased during the POI net exports of Chinese R-32 were more than double Chinese R-32 consumption in 2017
 - The United States is a large export market for Chinese R-32





Threat of Material Injury

Chinese R-32 Will Likely Continue to Enter the U.S. Market at Low Prices

- Low-priced Chinese R-32 will continue to increase demand for subject imports
- According to industry reports, R-32 prices in China dropped 28 percent from Q4 2018 through 2019 and are expected to further decline
- There is an incentive to export to the United States, a large global market

Inventory of Chinese R-32 in the United States is Significant

• According to independent reports, as of May 2018, importers of Chinese R-32 have 3.5 to 4 years of inventory in the United States

Unfairly Priced Subject Imports Will Inhibit R&D and Investment

- Next generation of refrigerants will involve R-32
- Further R&D and investment will be required to reach even lower global warming potential

Threat



New and Potential New Blenders Threaten the Market

•There is excess capacity in China

•There are no barriers to entry to the U.S. market



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"But-for"

- •Conditions of Competition
 - Large Market Share
 - High Substitutability
 - Inelastic Demand
 - Elastic Domestic Supply until Capacity is Reached

Effects

- Significant Negative Volume Effects
- Significant Negative Price Effects
- Significantly Lower Profits and Profit Margins