

**PRODUCT NAME: Air Duster**

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Product Name: Air Duster

Product Type: :

Brand: :

UFI: :



**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses: Cleaning

Uses advised against: No information available.

**1.3 Details of the Manufacturer/Supplier of the Safety Data Sheet**



**Section 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**2.1.1 Classification according to Regulation (EC) No 1272/2008(CLP)**

Press. Gas (Liq.) – H280;

**2.1.2 Classification system**

The classification is according to the latest edition of Regulation (EC) No 1272/2008, and extended by company and literature data.

**2.2 Label elements**

**2.2.1 Labelling according to Regulation (EC) No 1272/2008(CLP)**

Hazard pictograms:



Signal word:

Warning

Hazard statements:

H280

Contains gas under pressure; may explode if heated.





# Safety Data Sheet

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Acc. to (EC) No 1907/2006 (REACH), (EC) No 1272/2008 (CLP)

Initial date of preparation: Mar. 24, 2022

Revision date: Mar. 24, 2022

**PRODUCT NAME:** Air Duster**Precautionary statements:**

- Prevention --
- Response --
- Storage

**P410+P233** Protect from sunlight. Store in a well-ventilated place.

- Disposal --

**2.2.2 Supplemental Hazard information**

No information available.

**2.2.3 Special rules for supplemental label elements for certain mixtures**

No information available.

**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Section 3: Composition / information on ingredients****3.1 Substances**

Not applicable.

**3.2 Mixture**

Substance name	C - CAS No. E - EC/List No.	%	Classification according to Regulation (EC) No 1278/2008 (CLP)
1,1,1,2-Tetrafluoroethane	C: 811-97-2 E: 212-377-0	98	Press. Gas (Liq.) – H280
Carbon dioxide	C: 124-38-9 E: 204-696-9	2	Press. Gas (Liq.) – H280

**Additional information:**

Full text of Hazard Statements: see section 16.

**Section 4: First aid measures****4.1 Description of first aid measures****General advice**

If symptoms persist, call a physician.

**Inhalation**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician.





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## Skin contact

Wash off with soap and plenty of water. If symptoms persist, call a physician.

## Eye contact

Flush eyes with water as a precaution. If symptoms persist, call a physician.

## Ingestion

Rinse mouth with water. Consult a physician.

## Self-Protection of the First Aider

Use personal protective equipment as required.

## 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

## 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## Section 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use water spray, dry chemical, alcohol-resistant foam or carbon dioxide. Use water to cool the container.

#### Unsuitable extinguishing media

No further relevant information available.

### 5.2 Special hazards arising from the substance or mixture

Containers may explode when heated.

### 5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## Section 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

**Protective equipment:** Use personal protective equipment as required.

**Emergency procedures:** If required, notify relevant authorities.

#### 6.1.2. For emergency responders

Use personal protective equipment as required.

### 6.2 Environmental precautions

Should not be released into the environment.

### 6.3 Methods and material for containment and cleaning up





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### 6.3.1 For containment:

Pick up and arrange disposal.

### 6.3.2 For cleaning up:

Pick up and arrange disposal.

### 6.3.3 Other information:

No information available.

### 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

#### Protective measures

Avoid breathing vapours, mist or gas. Ensure adequate ventilation. For precautions see section 2.2.

#### Advice on general occupational hygiene

Handle in accordance with good industrial hygiene and safety practice.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

Store away from incompatible materials described in Section 10.

#### Packaging materials

Metal can.

#### Requirements for storage rooms and vessels

Store in a dry, cool and well-ventilated place.

#### Further information about storage conditions

Protect from sunlight.

### 7.3 Specific end use(s)

Apart from the uses mentioned in Section 1, no other specific uses are stipulated.

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

CAS No.	TWA	STEL	来源
811-97-2	1000 ppm, 4200 mg/m <sup>3</sup>	8000 ppm, 33600 mg/m <sup>3</sup>	Germany
124-38-9	5000 ppm, 9000 mg/m <sup>3</sup>	-	EU



**PRODUCT NAME: Air Duster****Biological limit values**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Monitoring methods**

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

MDHS70 General methods for sampling airborne gases and vapours.

MDHS 88 Volatile organic compounds in air. Laboratory method using diffusive samplers, solvent desorption and gas chromatography.

MDHS 96 Volatile organic compounds in air. Laboratory method using pumped solid sorbent tubes, solvent desorption and gas chromatography.

**Derived No Effect Level (DNEL)**

No information available.

**Predicted No Effect Concentration (PNEC)**

No information available.

**Additional information**

The lists that were valid during the creation were used as basis.

**8.2 Exposure controls**

Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure.

**8.2.1 Appropriate engineering controls**

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

**8.2.2 Personal protective equipment****8.2.2.1 Eye and Face protection**

Use equipment for eye protection tested and approved under appropriate government standards.

**8.2.2.2 Skin protection****Hand protection**

No protection is ordinarily required under normal conditions of use.

**Other skin protection measures**

No protection is ordinarily required under normal conditions of use.

**8.2.2.3 Respiratory Protection**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**8.2.2.4 Thermal hazards**

No protection is ordinarily required under normal conditions of use. If need, Wear protective clothing.



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**8.2.3 Environmental exposure controls**

Control measures must be made in accordance with community environmental protection legislation.

**Section 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

<b>Physical state:</b>	Air tank
<b>Colour:</b>	Blue air tank (containing colorless liquefied gas)
<b>Odour:</b>	Odorless
<b>Melting point/freezing point:</b>	No data available
<b>Boiling point or initial boiling point and boiling range:</b>	No data available
<b>Flammability:</b>	Nonflammable
<b>Lower and upper explosion limit/flammability limit:</b>	No data available
<b>Flash point:</b>	Not applicable
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>pH:</b>	No data available
<b>Kinematic viscosity:</b>	Not applicable
<b>Solubility:</b>	Insoluble in water
<b>Partition coefficient n-octanol/water (log value):</b>	No data available
<b>Vapour pressure:</b>	No data available
<b>Density and/or relative density:</b>	No data available
<b>Relative vapour density:</b>	No data available
<b>Particle characteristics:</b>	Not applicable

**9.2 Other information**

No information available.

Remark: The data was derived from the ingredients of the mixture and provided by the enterprise.

**Section 10: Stability and reactivity**

**10.1 Reactivity**

Stable under normal conditions.

**10.2 Chemical stability**

Stable at normal temperatures and storage conditions.

**10.3 Possibility of hazardous reactions**

None under normal processing.

**10.4 Conditions to avoid**





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Incompatible products. Direct sunlight.

### 10.5 Incompatible materials

No data available.

### 10.6 Hazardous decomposition products

No data available.

## Section 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity:

- Oral: Based on available data, the classification criteria are not met.
- Dermal: Based on available data, the classification criteria are not met.
- Inhalation: Based on available data, the classification criteria are not met.

#### LD/LC50 values that are relevant for classification

CAS No.	LD50 Oral	LD50 Dermal	LC50 Inhalation
811-97-2	-	-	1,500,000 mg/m <sup>3</sup> (Rat, 4H)

**Skin corrosion/irritation:** Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation:** Based on available data, the classification criteria are not met.

#### Respiratory or skin sensitization:

- Respiratory: Based on available data, the classification criteria are not met.
- Skin: Based on available data, the classification criteria are not met.

**Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

**Carcinogenicity:** Based on available data, the classification criteria are not met.

**Reproductive toxicity:** Based on available data, the classification criteria are not met.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**STOT-repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

## Section 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

No data available.

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.





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## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**VPvB:** Not applicable.

## 12.6 Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors.

## 12.7 Other adverse effects

**Persistent Organic Pollutant:** This product does not contain any known or suspected substance.

**Ozone Depletion Potential:** This product does not contain any known or suspected substance.

## 12.8 Additional information

No data available.

## Section 13: Disposal considerations

### 13.1 Waste treatment methods

#### **13.1.1 Product / Packaging disposal:**

Follow all local, state, and federal regulations for disposal of waste chemicals.

#### **13.1.2 Waste treatment-relevant information:**

Follow all local, state, and federal regulations for disposal of waste chemicals.

#### **13.1.3 Sewage disposal-relevant information:**

Follow all local, state, and federal regulations for disposal of waste chemicals.

#### **13.1.4 Other disposal recommendations:**

No further relevant information available.

## Section 14: Transport information

### Land Transport

**14.1 UN number:** UN 1058

**14.2 UN proper shipping name:** LIQUEFIED GASES, non-flammable, charged with nitrogen, carbon dioxide or ai

**14.3 Transport hazard class(es):** 2.2

**14.4 Packing group:** Not applicable

**Remark:** According to ADR(2021 Edition)

### Sea Transport

**14.1 UN number:** UN 1058

**14.2 UN proper shipping name:** LIQUEFIED GASES, non-flammable, charged with nitrogen, carbon dioxide or ai

**14.3 Transport hazard class(es):** 2.2



**PRODUCT NAME: Air Duster**

**14.4 Packing group:** Not applicable

**Remark:** According to the IMDG Code, 2020 Edition (inc. Amendment 40-20).

**Air Transport**

**14.1 UN number:** UN 1058

**14.2 UN proper shipping name:** LIQUEFIED GASES, non-flammable, charged with nitrogen, carbon dioxide or ai

**14.3 Transport hazard class(es):** 2.2

**14.4 Packing group:** Not applicable

**Remark:** According to IATA DGR (63<sup>rd</sup> Edition, 2022).

**14.5 Environmental hazards**

**Marine pollutant:** No

**14.6 Special precautions for user**

No special precautions required.

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable, packaged goods.

**14.8 EmS Number**

F-C,S-V

**14.9 Transport Labels & Signs**



**Section 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.**

**EU regulations**

- Directive 2009/104/EC – use of work equipment
- Directive 99/92/EC – risks from explosive atmospheres
- Directive 92/58/EEC – safety and/or health signs
- Directive 89/656/EEC – use of personal protective equipment
- Directive 89/654/EEC – workplace requirements

**National regulations**

**SVHC Candidate List of REACH Regulation Annex XIV Authorisation.**

None of the ingredients is listed.



**PRODUCT NAME: Air Duster****REACH Regulation Annex XVII Restriction.**

None of the ingredients is listed.

**REACH Regulation Annex XIV Authorization List.**

None of the ingredients is listed.

**15.2 Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

**Section 16: Other information****Abbreviations and acronyms**

<b>CLP</b>	Classification, labeling and packaging
<b>REACH</b>	Registration, Evaluation, Authorisation and Restriction of Chemicals
<b>CAS No.</b>	Chemical Abstract Service registry number
<b>EC/List No.</b>	European Community number
<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>IMDG/IMO</b>	International Maritime Code for Dangerous Goods/ International Maritime Organization
<b>IATA</b>	International Air Transport Association
<b>LC50</b>	Lethal concentration, 50 percent.
<b>LD50</b>	Lethal dose, 50 percent.
<b>EC50</b>	50% effective concentration
<b>BCF</b>	Bioconcentration factor
<b>NOEC</b>	no observed effect concentration
<b>LOEC</b>	Lowest Observed Effect Concentration
<b>OECD</b>	Organisation for Economic Co-operation and Development
<b>IARC</b>	International Agency for Research on Cancer.
<b>STEL</b>	Short Term Exposure Limit
<b>STEL-C</b>	Short Term Exposure Limit - Ceiling value
<b>TWA</b>	Time-weighted average
<b>PBT</b>	Persistent, Bioaccumulative, Toxic
<b>vPvB</b>	very Persistent, very Bioaccumulative
<b>POW</b>	Partition coefficient Octanol:Water

**Full text of H-Statements referred to under sections 2 and 3****H280** Contains gas under pressure; may explode if heated.**Information on preparation and revision of the SDS**





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**PRODUCT NAME: Air Duster**

**Prepared by:** Guangzhou JCT Services Co., Ltd.



**Initial date of preparation:** Mar. 24, 2022

**Revision date:** Mar. 24, 2022

### Training advice

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene. Use of personal protective equipment, covering appropriate selection, compatibility, breakthrough thresholds, care, maintenance, fit and standards. First aid for chemical exposure, including the use of eye wash and safety showers. Fire prevention and fighting, identifying hazards and risks, static electricity, explosive atmospheres posed by vapours and dusts. Chemical incident response training.

\*\*\*\*\*  
The contents and format of the SDS are prepared in accordance with Regulation (EC) No 1907/2006, (EC) No 1272/2008, (EU) 2015/830 and (EU) 2020/878.

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End of SDS