SAFETY DATA SHEET

Air Duster

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Air Duster

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

Identified uses Duster Spray

1.3. Details of the supplier of the safety data sheet

Supplier

Arctic Hayes Ltd
No 11 Glover Way
Leeds, England
UK
LS11 5 JP

T+44 (0) 113 271 5245
F+44 (0) 113 271 5779
sales@arctichayes.com

1.4. Emergency telephone number

Emergency telephone +44 (0)113 271 5245

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards
Aerosol 3 - H229

Health hazards
Not Classified

Environmental hazards
Not Classified

Classification (67/548/EEC or 1999/45/EC)

Physicochemical
Not considered to be a significant hazard due to the small quantities used. Aerosol containers can explode when heated, due to excessive pressure build-up.

2.2. Label elements

Signal word Warning

Hazard statements

H229 Pressurised container: may burst if heated

Precautionary statements

P251 Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe vapour/spray.

P271 Use only outdoors or in a well-ventilated area.

P501 Dispose of contents/container in accordance with local regulations.

Air Duster

Supplemental label information

Contains a fluorinated greenhouse gas covered by the Kyoto protocol: HFC-134a (Tetrafluoroethane : EC No. 212-377-0). (See label for the correct amount).

Global Warming Potential (GWP) in CO2 equivalent: 1430.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

TETRAFLUOROETHANE	**60-100%**
CAS number: 811-97-2 **EC number:** 212-377-0 **REACH registration number:** Exempt under REACH	

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Not Classified	-

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Move affected person to fresh air at once.

Inhalation

Move affected person to fresh air at once. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.

Ingestion

Rinse mouth thoroughly with water.

Skin contact

Rinse with water. Get medical attention if any discomfort continues.

Eye contact

Rinse with water. Get medical attention if any discomfort continues.

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

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product is not flammable. Cool aerosol containers exposed to heat with water spray and remove container, if no risk is involved.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Containers can burst violently or explode when heated, due to excessive pressure build-up. Decomposes on contact with flames and hot surfaces to produce hydrofluoric acid and fluorophosgene. Containers can burst violently or explode when heated, due to excessive pressure build-up.

5.3. Advice for firefighters

Protective actions during firefighting

Warn firefighters that aerosols are involved. Containers close to fire should be removed or cooled with water.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions

Not considered to be a significant hazard due to the small quantities used.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

VENTILATE/EVAPORATE.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Read and follow manufacturer's recommendations.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 degrees Centigrade. Do not pierce or burn, even after use.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

TETRAFLUOROETHANE

Long-term exposure limit (8-hour TWA): WEL 1000 ppm

WEL = Workplace Exposure Limit

Ingredient comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Appropriate engineering controls

This product must not be handled in a confined space without adequate ventilation.

Personal protection

When using the aerosol do not smoke.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

Not relevant

Hygiene measures

The product itself does not pose any hygiene risks. However normal hygiene standards appropriate to the work place should be maintained.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties

Air Duster

9.1. Information on basic physical and chemical properties

Appearance
Aerosol.

Colour
N/A

Odour
No characteristic odour.

Flash point
n/a°C

Relative density
1.206 @ °C

Comments
Information given is applicable to the major ingredient.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability
Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

No potentially hazardous reactions known.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid
Alkali metals.

10.6. Hazardous decomposition products

Hydrogen chloride (HCl). Hydrogen fluoride (HF). By decompostion and hydrolysis.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General information
This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

Inhalation
May cause respiratory system irritation.

Ingestion
No specific health hazards known.

Skin contact
Skin irritation should not occur when used as recommended.

Eye contact
Irritating to eyes.

Acute and chronic health hazards

Air Duster

This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

Route of entry

Inhalation

Target organs

Respiratory system, lungs

Medical symptoms

Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting.

SECTION 12: Ecological Information

Ecotoxicity

No data on possible environmental effects have been found.

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

Do not puncture or incinerate, even when empty.

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General	This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not so packed and labelled must show the following.

14.1. UN number

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	AEROSOLS
Proper shipping name (IMDG)	AEROSOLS
Proper shipping name (ICAO)	AEROSOLS
Proper shipping name (ADN)	AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class	2.2
ADR/RID subsidiary risk	
ADR/RID label	2.2
IMDG class	2.2

IMDG subsidiary risk

ICAO class/division 2.2

ICAO subsidiary risk

Transport labels

14.4. Packing group

Not applicable.

ADR/RID packing group

IMDG packing group

ICAO packing group

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-D, S-U

Emergency Action Code

Hazard Identification Number (ADR/RID)

Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

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

National regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

EU legislation

Dangerous Substances Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations. 2001/58/EC. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance

Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131. British Aerosol Manufacturers Code of Practice 7th. Edition 1999

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date 25/06/2014

Revision 1

SDS number 10779

SDS status Approved.

Risk phrases in full

NC Not classified.

Hazard statements in full

H229 Pressurised container: may burst if heated

Air Duster

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.