

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Product name Arctic Spray / Polar Pipe Freezer
Product No. AS1 - 200ml, AS2 - 415ml, PG01- 580ml
Address/Phone No. No. 11, Glover Way, Leeds , England LS11 5JP
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 sales@arctic-hayes.com

2. HAZARDS IDENTIFICATION

Classification (EC 1272/2008) Physical and Chemical Hazards Not classified.
 Human health Not classified.
 Environment Not classified.

Classification (67/548/EEC) Not classified.
Label In Accordance With (EC) No. 1272/2008 No pictogram required.
Precautionary Statements P102 Keep out of reach of children.
 P210 Keep away from open flames. - No smoking.
 P251 Pressurized container: Do not pierce or burn, even after use.
 P271 Use only outdoors or in a well-ventilated area.
 P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

Supplementary Precautionary Statements P501 Dispose of contents/container in accordance with local regulations.
Supplemental label information EUH210 Safety data sheet available on request.

This product does not contain any PBT or vPvB substances.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterisation

| Components No. | CAS No. | EC No. | Approx (%) | Reg. No. | Classification (EC 1272/2008) | Classification (67/548/EEC) |
|---------------------------|----------|-----------|------------|-----------------------|-------------------------------|-----------------------------|
| 1,1,1,2-TETRAFLUOROETHANE | 811-97-2 | 212-377-0 | 60-100% | 01-2119459374-33-xxxx | Press. Gas, Compressed - H280 | Not classified. |

4. FIRST AID MEASURES

Eye contact: Irritation of eyes and mucous membranes. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Rinse with water. Contact physician if discomfort continues.
Skin contact: Rinse immediately with plenty of water. Get medical attention promptly if symptoms occur after washing.
Inhalation: Vapours may cause drowsiness and dizziness. Move into fresh air and keep at rest. Get medical attention if any discomfort continues.
Ingestion: Due to the physical nature of this material it is unlikely that swallowing will occur. Provide rest, warmth and fresh air. Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention if any discomfort continues.

5. FIRE-FIGHTING MEASURES

Extinguishing Media The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.
Special Fire Fighting Procedures Cool containers exposed to flames with water until well after the fire is out.
Unusual Fire & Explosion Hazards Aerosol cans may explode in a fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Avoid inhalation of vapours and aerosol spray. Avoid contact with skin and eyes.
Environmental precautions Not relevant considering the small amounts used.
Clean up Methods Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Ventilate well.

7. HANDLING AND STORAGE

Handling Precautions Avoid contact with skin and eyes. Keep away from heat, sparks and open flame.
Storage Precautions Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| Name | STD | TWA - 8 Hrs | STEL - 15 Min |
|---------------------------|-----|-------------|------------------------|
| 1,1,1,2-TETRAFLUOROETHANE | WEL | 1000 ppm | 4240 mg/m ³ |

WEL = Workplace Exposure Limit.

Protective equipment



Hand protection For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Rubber, neoprene or PVC.
Eye protection Wear approved chemical safety goggles where eye exposure is reasonably probable.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Aerosol.
Colour Colourless.
Odour Mild.

10. STABILITY AND REACTIVITY

Reactivity No specific reactivity hazards associated with this product.
Chemical Stability Stable under normal temperature conditions and recommended use.
Possibility of hazardous reactions Not determined.
Hazardous Decomposition Products Fire or high temperatures create: Flourides
Conditions to Avoid Avoid heat, flames and other sources of ignition.
Materials to Avoid No incompatible groups noted.

11. TOXICOLOGICAL INFORMATION.

Inhalation Vapours may cause drowsiness and dizziness.
Ingestion No harmful effects expected in amounts likely to be ingested by accident.
Skin contact Liquid on the skin could result in freeze burns.
Eye contact Irritation of eyes and mucous membranes.
Toxicological information on ingredients 1,1,1,2-TETRAFLUOROETHANE (CAS: 811-97-2)



MATERIAL SAFETY DATA SHEET
ARCTIC SPRAY / POLAR PIPE FREEZER

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12. ECOLOGICAL INFORMATION

| | |
|------------------------------------|--|
| Ecotoxicity | Not regarded as dangerous for the environment. |
| Acute Toxicity - Fish | Not applicable. |
| Degradability | There are no data on the degradability of this product. |
| Bioaccumulative potential | No data available on bioaccumulation. |
| Mobility | The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. |
| Results of PBT and vPvB assessment | |
| Other adverse effects | Not determined. |

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION

| | |
|--------------------------------|------------------|
| UN No. (ADR/RID/ADN) | 1950 |
| UN No. (IMDG) | 1950 |
| UN No. (ICAO) | 1950 |
| Proper Shipping Name | AEROSOLS |
| ADR/RID/ADN Class | Class 2.: Gases. |
| IMDG Class | 2 |
| ICAO Class/Division | 2 |
| ADR/RID/ADN Packing group | 5A |
| Environmentally Hazardous | |
| Substance/Marine Pollutant No. | |
| Tunnel Restriction Code | (E) |

15. REGULATORY INFORMATION

| | |
|-----------------------|---|
| Statutory Instruments | Control of Substances Hazardous to Health. |
| Guidance Notes | Workplace Exposure Limits EH40. |
| EU Legislation | 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. |

16. OTHER INFORMATION

| | | |
|---------------------------|------|---|
| Risk Phrases In Full | NC | Not classified. |
| Hazard Statements In Full | H280 | Contains gas under pressure; may explode if heated. |

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.