



SAFETY DATA SHEET

ISO 9001 version 2008

GAZ SEC ODP "O"

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Revised edition no : 4

Date : 15/4/2009

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006903

www.lisam.com

Producer

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1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Trade name : GAZ SEC ODP "O"
Identification of the product : Aerosol.
Type of product : Air duster.
Company identification : See producer.
Emergency phone nr : INRS : 01.45.42.59.59

2 HAZARDS IDENTIFICATION

Symptoms relating to use

- Inhalation : Overexposure to vapours may result in headache, nausea. Drowsiness.
- Skin contact : Repeated or prolonged skin contact may cause irritation progressing to a burn.
- Eye contact : Direct contact with liquefied gas may cause severe and possibly permanent eye injury due to frostbite from rapid liquid evaporation. Redness. Pain.
- Ingestion : May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

3 COMPOSITION / INFORMATION ON INGREDIENTS

This product is not considered to be hazardous but contains hazardous components.

Substance name	Contents (%)	CAS No / EC No / Index No	Symbol(s)	R-Phrase(s)
<u>1,1,1,2-Tetrafluoroethane</u>	: 50 to 100 %	811-97-2 / 212-377-0 / -----		
<u>Dimethyl ether</u>	: 1 to 10 %	115-10-6 / 204-065-8 / 603-019-00-8	F+	12

4 FIRST AID MEASURES

First aid measures

- Inhalation : If overcome by exposure, remove victim to fresh air immediately. Allow the victim to rest. Seek medical advice.
- Skin contact : Wash skin thoroughly with mild soap and water.
- Eye contact : Rinse immediately with plenty of water. Seek medical attention if ill effect or irritation develops.
- Ingestion : Ingestion unlikely. Rinse mouth. Obtain medical attention.

5 FIRE-FIGHTING MEASURES

Specific hazards : When exposed to heat or if contaminated by certain impurities, may decompose to generate highly volatile gases which may over pressure and violently rupture closed containers. Thermal decomposition generates : Fluorhydric acid. Carbon monoxide. Carbon dioxide.

Extinguishing media

- Suitable extinguishing media : Powder. Carbon dioxide. Foam. Water fog.
- Unsuitable extinguishing media : Do not use a heavy water stream.

Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures : Use water spray or fog for cooling exposed containers.



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6 ACCIDENTAL RELEASE MEASURES

- Personal precautions : Respiratory protection equipment may be necessary.
Environmental precautions : Not expected to present a significant hazard under anticipated conditions of normal use.
Clean up methods : Remove ignition sources.

7 HANDLING AND STORAGE

- Precautions in handling and storage : Keep away from sources of ignition - No Smoking.
Storage : Protect from freezing. Keep at temperature not exceeding 50° C. Store in dry, cool, well-ventilated area. Store above 5°C
Storage - away from : Direct sunlight. Heat sources. Sparks. Open flame.
Handling : Handle in accordance with good industrial hygiene and safety procedures. Keep away from food, drink and animal feeding stuffs.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- Personal protection
- Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
- Hand protection : Not required.
- Skin protection : No special clothing/skin protection equipment is recommended under normal conditions of use.
- Eye protection : Eye protection should only be necessary where liquid could be splashed or sprayed.
Industrial hygiene : Provide adequate ventilation to minimize dust and/or vapour concentrations. When using, do not eat, drink or smoke.
Occupational Exposure Limits : 1,1,1,2-Tetrafluoroethane : VME (ppm) : 1000
1,1,1,2-Tetrafluoroethane : VME (mg/m3) : 4420
Dimethyl ether : VME (mg/m3) : 1920
Dimethyl ether : VME (ppm) : 1000

9 PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Liquid.
Colour : Colourless.
Odour : Ethereal.
Boiling point [°C] : /
Density : 1.19
Solubility in : Solvent.
Flash point [°C] : Sans

10 STABILITY AND REACTIVITY

- Hazardous decomposition products : None under normal conditions. Thermal decomposition generates : Carbon dioxide. Carbon monoxide. Fluorhydric acid.
Materials to avoid : Strong acids. Strong bases. Strong oxidizers.
Conditions to avoid : Heat. Direct sunlight. Open flame. Sparks.

11 TOXICOLOGICAL INFORMATION

- Toxicity information : No data available.
Acute toxicity : No data available.
Chronic toxicity
- Inhalation : May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Vapours may cause drowsiness and dizziness. Headache.
- Dermal : May cause a sensitization.



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11 TOXICOLOGICAL INFORMATION (continued)

- Ocular : Direct contact with liquefied gas may cause severe and possibly permanent eye injury due to frostbite from rapid liquid evaporation.
- Ingestion : May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

12 ECOLOGICAL INFORMATION

- On product : No data available.

13 DISPOSAL CONSIDERATIONS

- General : Container under pressure. Do not drill or burn even after use. When not empty dispose of this container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations. Do not empty into drains.

14 TRANSPORT INFORMATION

- Shipping name : UN1950 AÉROSOLS, 2.2, 5A
- UN No. : 1950
- Land transport**
- ADR/RID : Class : 2
Group : 5A
- Sea transport**
- IMO-IMDG code : Class 2
- EMS-Nr : 2-13
- IMDG-Marine pollution : No.
- Air transport**
- IATA - Class or division : Class 2.2
- IATA-Label : Non Flamm. Gas

15 REGULATORY INFORMATION

- Symbol(s) : None.
- R Phrase(s) : None.
- S Phrase(s) : S2 : Keep out of the reach of children.
S23 : Do not breathe spray.
S51 : Use only in well-ventilated areas.
- Safety advises : Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. 10.0 % by mass of the contents are flammable. Use this aerosol only for the applications for which it is intended.
- France : Surveillance médicale spéciale (Arrêté du 11 juillet 1977) relative à la présence de composés fluorés.

16 OTHER INFORMATION

- Recommended uses and restrictions : See product bulletin for detailed information.
- Text of R-Phrases in § 3 : R12 : Extremely flammable.

The contents and format of this SDS are in accordance with REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL



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