

Safety Data Sheet
according to 1907/2006/EC, Article 31

Date: 29.07.2008

Replaces: 23.07.2007

Ref: 0151.3.A/DR

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1 Identification of the substance/preparation and of the company/undertaking

· **Product details**

· **Trade name:** TECTANE Airspray

· **Article number:** 1230001

· **Application of the substance / the preparation** High pressure cleaner

· **Manufacturer/Supplier:**

Siroflex Limited

Dodworth Business Park, Dodworth,

Barnsley, South Yorkshire, England, S75 3SP

Tel.: 01226 771600

Fax.: 01226 771601

info@siroflex.co.uk

· **Further information obtainable from:**

www.siroflex.co.uk

2 Hazards identification

· **Hazard description:** Not applicable.

· **Information concerning particular hazards for human and environment:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

2.0 % by mass of the contents are flammable

Keep out of the reach of children

3 Composition/information on ingredients

· **Chemical characterization:**

· **CAS No. Description**


811-97-2 1,1,1,2-Tetrafluorethan

· **Identification number(s)**

· **EINECS Number:** 212-377-0

· **Chemical characterization**

· **Dangerous components:**

CAS: 115-10-6	dimethyl ether	 F+; R 12	≤ 2.5%
EINECS: 204-065-8			

4 First aid measures

· **General information:** No special measures required.

· **After inhalation:**

Supply fresh air; consult doctor in case of complaints.

Take affected persons into fresh air and keep quiet.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Immediately remove any clothing soiled by the product.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** Do not induce vomiting; call for medical help immediately.

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5 Fire-fighting measures

- **Suitable extinguishing agents:**
 - Foam
 - Fire-extinguishing powder
 - Carbon dioxide
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
 - Can form explosive gas-air mixtures.
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
 - Cool endangered receptacles with water spray.
 - Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Person-related safety precautions:**
 - Wear protective equipment. Keep unprotected persons away.
 - Ensure adequate ventilation
 - Keep away from ignition sources.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:**
 - No dangerous substances are released.
 - See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
 - No special measures required.
 - Ensure good ventilation/exhaustion at the workplace.
 - Avoid contact with skin and eyes.
- **Information about fire - and explosion protection:**
 - Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
 - Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

811-97-2 1,1,1,2-Tetrafluorethan

WEL Long-term value: 4240 mg/m³, 1000 ppm

115-10-6 dimethyl ether

WEL Short-term value: 958 mg/m³, 500 ppm

Long-term value: 766 mg/m³, 400 ppm

- **Additional information:** The lists valid during the making were used as basis.

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- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Avoid contact with the eyes and skin.
- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Not required.
- **Body protection:** Protective work clothing

9 Physical and chemical properties

· General Information

Form:	Gaseous
Colour:	Colourless
Odour:	Ether-like

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: < 0°C

· **Flash point:** Not applicable, as aerosol.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density at 20°C:** 1.226 g/cm³

· Solubility in / Miscibility with

water at 20°C:	1.93 g/l
Organic solvents:	2.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** Carbon monoxide and carbon dioxide

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
Vapours have narcotic effect.

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The substance is not subject to classification according to the latest version of the EU lists.

12 Ecological information

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

· **Product:**

· **Recommendation** Smaller quantities can be disposed of with household waste.

· **European waste catalogue**

16 05 04	gases in pressure containers (including halons) containing dangerous substances
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15 01 04	metallic packaging
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· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **Land transport ADR/RID (cross-border)**



· **ADR/RID class:** 2 5A Gases.

· **Danger code (Kemler):** 20

· **UN-Number:** 1950

· **Packaging group:** -

· **Hazard label:** 2.2

· **Description of goods:** 1950 AEROSOLS

· **Maritime transport IMDG:**



· **IMDG Class:** 2.2

· **UN Number:** 1950

· **Label:** 2.2

· **Packaging group:** -

· **EMS Number:** F-D,S-U

· **Marine pollutant:** No

· **Proper shipping name:** AEROSOLS

· **Air transport ICAO-TI and IATA-DGR:**



· **ICAO/IATA Class:** 2.2

· **UN/ID Number:** 1950

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- **Label** 2.2
- **Packaging group:** -
- **Proper shipping name:** AEROSOLS, non-flammable

15 Regulatory information

· **Labelling according to EU guidelines:**

The substance is not subject to classification according to EU lists and other sources of literature known to us.

Observe the general safety regulations when handling chemicals.

· **Safety phrases:**

23 Do not breathe aerosol.

51 Use only in well-ventilated areas.

56 Dispose of this material and its container to hazardous or special waste collection point.

· **Special labelling of certain preparations:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

2.0 % by mass of the contents are flammable

Keep out of the reach of children

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant R-phrases**

12 Extremely flammable.