

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.04.2015

Revision: 28.04.2015

### 1 Identification of the substance/mixture and of the company/undertaking

**Product identifier****Trade name:** 64001 Quick Freeze Spray, 500g**Relevant identified uses of the substance or mixture and uses advised against:**

No further relevant information available.

**Application of the substance / the preparation:** Freeze spray**Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

ROTHENBERGER Werkzeuge GmbH

Industriestraße 7

D-65779 Kelkheim / Germany

Phone: +49 (0) 61 95 / 800 - 0

Fax: +49 (0) 6195 / 800 - 3500

Email: info@rothenberger.com

**Further information obtainable from:** ROTHENBERGER Werkzeuge GmbH**Emergency telephone number:**

Giftinformationszentrum-Nord / GIZ-Nord Poisons Centre

Telefon / Phone +49 (0) 551/19240

24h / 7d

### 2 Hazards identification

**Classification of the substance or mixture:****Classification according to Regulation (EC) No 1272/2008:**

H229 Pressurised container: May burst if heated.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC:** Not applicable.**Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**Label elements:****Labelling according to Regulation (EC) No 1272/2008:**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms:** Void**Signal word:** Warning**Hazard-determining components of labelling:**

1,1,1,2-Tetrafluorethan

**Hazard statements:**

H229 Pressurised container: May burst if heated.

**Precautionary statements:**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

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

P251 Do not pierce or burn, even after use.

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

**Additional information:**

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

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**Other hazards:****Results of PBT and vPvB assessment:****PBT:** Not applicable.**vPvB:** Not applicable.

### 3 Composition/information on ingredients

**Chemical characterisation: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 811-97-2      1,1,1,2-Tetrafluorethan

50-100%

EINECS: 212-377-0      Press. Gas C, H280

**Additional information:** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

**Description of first aid measures:****General information:**

Take affected persons out into the fresh air.

Do not leave affected persons unattended.

Keep warm, position comfortably and cover well.

**After inhalation:** Supply fresh air and to be sure call for a doctor.**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

In cases of frost bites, rinse with plenty of water. Do not remove clothing.

**After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.**After swallowing:** Call a doctor immediately.**Information for doctor:****Most important symptoms and effects, both acute and delayed:** Frost bites**Indication of any immediate medical attention and special treatment needed:**

Treat frost-bitten areas appropriately.

### 5 Firefighting measures

**Extinguishing media:****Suitable extinguishing agents:**CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**For safety reasons unsuitable extinguishing agents:** Water with full jet**Special hazards arising from the substance or mixture:** No further relevant information available.**Advice for firefighters:****Protective equipment:** Do not inhale explosion gases or combustion gases.

### 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

**Environmental precautions:** Do not allow product to reach sewage system or any water course.

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**Methods and material for containment and cleaning up:**

Allow to evaporate.

Ensure adequate ventilation.

**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.

## 7 Handling and storage

**Handling:****Precautions for safe handling:**

Keep away from heat and direct sunlight.

Use only in well ventilated areas.

**Information about fire - and explosion protection:**

Pressurised 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.

Emergency cooling must be available in case of nearby fire.

**Conditions for safe storage, including any incompatibilities:****Storage:****Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.

Observe official regulations on storing packagings with pressurised containers.

**Information about storage in one common storage facility:** Store away from foodstuffs.**Further information about storage conditions:**

Protect from heat and direct sunlight.

Store receptacle in a well ventilated area.

**Specific end use(s):** No further relevant information available.

## 8 Exposure controls/personal protection

**Additional information about design of technical facilities:** No further data; see item 7.**Control parameters:****Ingredients with limit values that require monitoring at the workplace:****811-97-2 1,1,1,2-Tetrafluorethan**WEL Long-term value: 4240 mg/m<sup>3</sup>, 1000 ppm**Exposure controls:****Personal protective equipment:****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Do not eat, drink, smoke or sniff while working.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

**Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.**Protection of hands:** Protective gloves**Material of gloves:**

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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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**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:** Tightly sealed goggles

### 9 Physical and chemical properties

**Information on basic physical and chemical properties:****General Information:****Appearance:**

<b>Form:</b>	Aerosol
<b>Colour:</b>	Colourless
<b>Odour:</b>	Odourless
<b>Odour threshold:</b>	Not determined.
<b>pH-value:</b>	Not applicable.

**Change in condition:**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Not applicable, as aerosol.

**Flash point:** Not applicable.**Flammability (solid, gaseous):** Not determined.**Ignition temperature:****Decomposition temperature:** Not determined.**Self-igniting:** Product is not selfigniting.**Danger of explosion:** Product does not present an explosion hazard.**Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

**Vapour pressure at 20 °C:** 5716 hPa**Density at 20 °C:** 1.206 g/cm<sup>3</sup>**Relative density:** Not determined.**Vapour density:** Not determined.**Evaporation rate:** Not applicable.**Solubility in / Miscibility with water:**

Insoluble.

**Partition coefficient (n-octanol/water):** Not determined.**Viscosity:****Dynamic:** Not determined.**Kinematic:** Not applicable.**Other information:** No further relevant information available.

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### 10 Stability and reactivity

**Reactivity:** No further relevant information available.

**Chemical stability:**

**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**Possibility of hazardous reactions:** No dangerous reactions known.

**Conditions to avoid:** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** Danger of toxic fluorine based pyrolysis products.

### 11 Toxicological information

**Information on toxicological effects:**

**Acute toxicity:**

**Primary irritant effect:**

**on the skin:** Irritant to skin and mucous membranes.

**on the eye:** Irritating effect.

**Sensitisation:** No sensitising effects known.

### 12 Ecological information

**Toxicity:**

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability:** No further relevant information available.

**Behaviour in environmental systems:**

**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.

**Additional 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.

**Results of PBT and vPvB assessment:**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects:** No further relevant information available.

### 13 Disposal considerations

**Waste treatment methods:**

**European waste catalogue:**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Uncleaned packaging:**

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

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### 14 Transport information

UN-Number:  
ADR, IMDG, IATA UN1950  
UN proper shipping name:  
ADR 1950 AEROSOLS  
IMDG, IATA AEROSOLS  
Transport hazard class(es):

ADR



Class: 2 5A Gases.  
Label: 2.2

IMDG, IATA



Class: 2 Gases.  
Label: 2.2  
Packing group: -  
Environmental hazards: Not applicable.  
Special precautions for user: Warning: Gases.  
EMS Number: F-D,S-U  
Transport in bulk according to Annex II of  
MARPOL73/78 and the IBC Code Not applicable.  
UN "Model Regulation": UN1950, AEROSOLS, 2.2

### 15 Regulatory information

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

No further relevant information available.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 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 phrases:**

H280 Contains gas under pressure; may explode if heated.

**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

Press. Gas C: Gases under pressure: Compressed gas

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