

## Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

### 1.1 Product Identifier

Product Form : Mixture  
 Product Name : Pipe Freeze – XP-FREEZE  
 Product Code : XP-FREEZE  
 Type of Product : Aerosol

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

#### 1.2.1 Relevant identified uses

Industrial/Professional Use Spec : Industrial  
 For professional use only  
 Use of the substance/mixture : Aerosol liquid gas freezing spray

#### 1.2.2 Uses advised against

No additional information available

### 1.3 Details of the supplier of the safety data sheet

Expert Range  
 Old Bank, The Triangle, Poulton,  
 BS32 7LE Bristol – United Kingdom  
 T: 0044 2036 273720 – F: 0044 8727 433720  
 support@expertrange.co.uk – www.expertrange.co.uk

### 1.4 Emergency telephone number

Emergency number : 0044 2036 273720

## Section 2: Hazards Identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Pressurised Cont. : H229  
 Full text of H-phrases : See section 16

### 2.2 Label Elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard statements (CLP) : H229: Pressurised container: May burst if heated.  
 Precautionary statements (CLP) : P102: Keep out of reach of children.  
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P211: Do not spray on an open flame or other ignition source.  
 P251: Do not pierce or burn, even after use.  
 P260: Do not breathe vapours.  
 P262: Do not get in eyes, on skin, or on clothing.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

### 2.3 Other Hazards

This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/Information on Ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixture

1,1,1,2-TETRAFLUOROETHANE				
EINECS	CAS	PBT/WEL	CLP Classification	Percent
212-377-0	811-97-2	Substance with a Community workplace exposure limit.	Press. Gas: H280	>90%

Full text of R- and H-phrases: see section 16

## Section 4: First Aid Measures

### 4.1 Description of first aid measures

Skin contact	: Wash immediately with plenty of soap and water.
Eye contact	: Bathe the eye with running water for 15 minutes.
Ingestion	: Wash out mouth with water.
Inhalation	: Remove casualty from exposure ensuring one's own safety whilst doing so. Move to fresh air in case of accidental inhalation of vapours.

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

Skin contact	: There may be mild irritation at the site of contact.
Eye contact	: There may be irritation and redness.
Ingestion	: There may be irritation of the throat.
Inhalation	: Drowsiness or mental confusion may occur.

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

Immediate/special treatment : Not applicable.

## Section 5: Firefighting Measures

### 5.1 Extinguishing media

Extinguishing media : Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

**5.2 Special hazards arising from the substance or mixture**

Exposure hazards : In combustion emits toxic fumes. Aerosol cans may explode during a fire, giving a high-speed projectile.

**5.3 Advice for firefighters**

Firefighting instructions : Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**Section 6: Accidental Release Measures**

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

Personal precautions : Refer to section 8 of SDS for personal protection details. Cover leaking can until the discharge has stopped, before attempting clean-up operations.

**6.2 Environmental precautions**

Not applicable.

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

Leaking material will evaporate leaving no residues.

**6.4 Reference to other sections**

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

**Section 7: Handling and Storage**

**7.1 Precautions for safe handling**

Precautions for safe handling : Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Smoking is forbidden.

**7.2 Conditions for safe storage, including any incompatibilities**

Storage conditions : Store in a cool, well ventilated area. Keep away from sources of ignition. Keep away from direct sunlight.

**7.3 Specific end use(s)**

No additional information available.

**SECTION 8: Exposure Controls/Personal Protection**

**8.1 Control parameters**

Workplace exposure limits: Respirable Dust

1,1,1,2-TETRAFLUOROETHANE				
State	8 Hour TWA	15 min. STEL	8 Hour TWA	15 min. STEL
UK	4240 mg/m3	Not established	-	-

DNEL/PNEC Values : No data available.

**8.2 Exposure controls**

Engineering measures : Ensure there is sufficient ventilation of the area.

Respiratory protection : Respiratory protection not required.

Hand protection	: Protective gloves.
Eye protection	: Safety glasses. Ensure eye bath is to hand.
Skin protection	: Protective clothing.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

State	: Aerosol
Colour	: Colourless
Odour	: Odourless
Evaporation rate	: Fast
Solubility in water	: Insoluble
Viscosity	: Non-viscous
Boiling point/range	: Not applicable.
Melting point/range	: Not applicable.
Lower Flammability limits %	: Not applicable.
Upper Flammability limits %	: Not applicable.
Flash point	: Not applicable.
Part.coeff. n-octanol/water	: Not applicable.
Autoflammability°C	: Not applicable.
Vapour pressure	: Not applicable.
Relative density	: Not applicable.
pH	: Not applicable.
VOC g/l	: Not applicable.

### 9.2. Other information

No additional information available.

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

Heat. Direct sunlight. Hot surfaces. Sources of ignition. Flames.

**10.5. Incompatible materials**

Strong oxidising agents. Strong acids.

**10.6. Hazardous decomposition products**

In combustion emits toxic fumes of hydrogen fluoride.

**SECTION 11: Toxicological Information****11.1. Information on toxicological effects**

Toxicity values	: No data available
Skin contact	: There may be mild irritation at the site of contact.
Eye contact	: There may be irritation and redness.
Ingestion	: There may be irritation of the throat.
Inhalation	: Drowsiness or mental confusion may occur.

**SECTION 12: Ecological Information****12.1. Toxicity**

No data available.

**12.2. Persistence and degradability**

Not applicable.

**12.3. Bioaccumulative potential**

Not applicable.

**12.4. Mobility in soil**

Readily absorbed into soil. Volatile. Insoluble in water. Vapour is heavier than air.

**12.5. Results of PBT and vPvB assessment**

This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

Not applicable.

**SECTION 13: Disposal Considerations**

### 13.1. Waste treatment methods

Disposal operations	: Transfer to a suitable container and arrange for collection by specialised disposal company.
Recovery operations	: Recycling/reclamation of metals and metal compounds.
Waste code number	: 20 01 40
Disposal of packaging	: Dispose of as normal industrial waste. Empty cans must not be burned because of explosion hazard.

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## SECTION 14: Transport Information

*In accordance with ADR / RID / IMDG / IATA*

### 14.1. UN number

UN Number	: UN1950
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### 14.2. UN proper shipping name

Proper Shipping Name	: Aerosols
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### 14.3. Transport hazard class(es)

Transport hazard class	: 2
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### 14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

### 14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

### 14.6. Special precautions for user

Special precautions	: No special precautions.
Tunnel code	: E
Transport category	: 3

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory Information

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

15.2. Chemical safety assessment

## SECTION 16: Other Information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

Phrases used in s.2 and s.3:

H229: Pressurised container: May burst if heated

H280: Contains gas under pressure; may explode if heated.

Other information : None.

*The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product. For professional and industrial use only.*