SAFETY DATA SHEET  
C2F6 37.3249 %; CHF3 62.6751 %

Issue Date: 12.11.2014               Version: 1.2               SDS No.: 000010022597  
Last revised date: 03.04.2018         1/14

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Product name: C2F6 37.3249 %; CHF3 62.6751 %
Trade name: Freon™ 95 (R508B) (formerly Suva® 95)
Other Name: R508B, PFC-116 54 % (w/w); HFC-23 46 % (w/w)

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses: industrial and professional. Perform risk assessment prior to use.
Refrigerant.
Uses advised against Consumer use.

1.3 Details of the supplier of the safety data sheet
Supplier
BOC
Priestley Road, Worsley
M28 2UT Manchester

Telephone: 0800 111 333

E-mail: ReachSDS@boc.com

1.4 Emergency telephone number: 0800 111 333

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 as amended.

Physical Hazards
Gases under pressure
Liquefied gas

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

2.2 Label Elements

Signal Words: Warning

Hazard Statement(s): H280: Contains gas under pressure; may explode if heated.

Precautionary Statements
Prevention: None.
Response: None.
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Storage: P403: Store in a well-ventilated place.
Disposal: None.

Supplemental label information
- EIGA-0783: Contains fluorinated greenhouse gases
- EIGA-As: Asphyxiant in high concentrations.

2.3 Other hazards: Contact with evaporating liquid may cause frostbite or freezing of skin.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Chemical formula</th>
<th>Concentration</th>
<th>CAS-No.</th>
<th>EC No.</th>
<th>REACH Registration No.</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perfluoroethane</td>
<td>C2F6</td>
<td>37.3249%</td>
<td>76-16-4</td>
<td>200-939-8</td>
<td>01-119974606-26</td>
<td></td>
</tr>
<tr>
<td>Trifluoromethane</td>
<td>CHF3</td>
<td>62.6751%</td>
<td>75-46-7</td>
<td>200-872-4</td>
<td>01-119971823-29</td>
<td></td>
</tr>
</tbody>
</table>

The concentrations of the components in the SDS header, product name on page one and in section 3.2 are in mol due to regulatory requirements. All concentrations are nominal.

PBT: persistent, bioaccumulative and toxic substance.
vPvB: very persistent and very bioaccumulative substance.

Classification

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Classification</th>
<th>Notes</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Perfluoroethane</td>
<td>CLP.</td>
<td>Press. Gas Liquef. Gas; H280</td>
<td></td>
</tr>
<tr>
<td>Trifluoromethane</td>
<td>CLP.</td>
<td>Press. Gas Liquef. Gas; H280</td>
<td></td>
</tr>
</tbody>
</table>


The full text for all H-statements is displayed in section 16.

SECTION 4: First Aid Measures

General: In high concentrations may cause asphyxiation. Symptoms may include loss of mobility/consciousness. Victim may not be aware of asphyxiation. Remove victim to uncontaminated area wearing self contained breathing apparatus. Keep victim warm and rested. Call a doctor. Apply artificial respiration if breathing stopped.

4.1 Description of first aid measures

Inhalation: In high concentrations may cause asphyxiation. Symptoms may include loss of mobility/consciousness. Victim may not be aware of asphyxiation. Remove victim to uncontaminated area wearing self contained breathing apparatus. Keep victim warm and rested. Call a doctor. Apply artificial respiration if breathing stopped.

Eye contact: Rinse the eye with water immediately. Remove contact lenses, if present and easy to do. Continue rinsing. Flush thoroughly with water for at least 15 minutes. Get immediate medical assistance. If medical assistance is not immediately available, flush an additional 15 minutes.
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Skin Contact:
Contact with evaporating liquid may cause frostbite or freezing of skin.

Ingestion:
Ingestion is not considered a potential route of exposure.

4.2 Most important symptoms and effects, both acute and delayed:
Respiratory arrest. Contact with liquefied gas can cause damage (frostbite) due to rapid evaporative cooling.

4.3 Indication of any immediate medical attention and special treatment needed
Hazards:
Respiratory arrest. Contact with liquefied gas can cause damage (frostbite) due to rapid evaporative cooling.

Treatment:
Thaw frosted parts with lukewarm water. Do not rub affected area. Get immediate medical advice/attention.

SECTION 5: Firefighting Measures

General Fire Hazards:
Heat may cause the containers to explode.

5.1 Extinguishing media
Suitable extinguishing media:
Material will not burn. In case of fire in the surroundings: use appropriate extinguishing agent.

Unsuitable extinguishing media:
None.

5.2 Special hazards arising from the substance or mixture:
Fire or excessive heat may produce hazardous decomposition products. The product is not flammable in air under ambient conditions of temperature and pressure. When pressurised with air or oxygen, the mixture may become flammable. Certain mixtures of HCFCs or HFCs with chlorine may become flammable or reactive under certain conditions.

Hazardous Combustion Products:
If involved in a fire the following toxic and/or corrosive fumes may be produced by thermal decomposition: Carbon oxides fluorocarbons Hydrogen fluoride ; Carbonyl difluoride

5.3 Advice for firefighters
Special fire fighting procedures:
In case of fire: Stop leak if safe to do so. Continue water spray from protected position until container stays cool. Use extinguishants to contain the fire. Isolate the source of the fire or let it burn out.

Special protective equipment for firefighters:
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Guideline: EN 469 Protective clothing for firefighters. Performance requirements for protective clothing for firefighting. EN 15090 Footwear for firefighters. EN 659 Protective gloves for firefighters. EN 443 Helmets for fire fighting in buildings and other structures. EN 137 Respiratory protective devices - Self-contained open-circuit compressed air breathing apparatus with full face mask - Requirements, testing, marking.

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SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:
Evacuate area. Provide adequate ventilation. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe. EN 137 Respiratory protective devices - Self-contained open-circuit compressed air breathing apparatus with full face mask - Requirements, testing, marking.

6.2 Environmental Precautions:
Prevent further leakage or spillage if safe to do so.

6.3 Methods and material for containment and cleaning up:
Provide adequate ventilation.

6.4 Reference to other sections:
Refer to sections 8 and 13.

SECTION 7: Handling and Storage:

7.1 Precautions for safe handling:
Only experienced and properly instructed persons should handle gases under pressure. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Refer to supplier's handling instructions. The substance must be handled in accordance with good industrial hygiene and safety procedures. Protect containers from physical damage; do not drag, roll, slide or drop. Do not remove or deface labels provided by the supplier for the identification of the container contents. When moving containers, even for short distances, use appropriate equipment eg. trolley, hand truck, fork truck etc. Secure cylinders in an upright position at all times; close all valves when not in use. Provide adequate ventilation. Suck back of water into the container must be prevented. Do not allow backbleed into the container. Avoid suckback of water, acid and alkalis. Keep container below 50°C in a well ventilated place. Observe all regulations and local requirements regarding storage of containers. When using do not eat, drink or smoke. Store in accordance with. Never use direct flame or electrical heating devices to raise the pressure of a container. Leave valve protection caps in place until the container has been secured against either a wall or bench or placed in a container stand and is ready for use. Damaged valves should be reported immediately to the supplier. Close container valve after each use and when empty, even if still connected to equipment. Never attempt to repair or modify container valves or safety relief devices. Replace valve outlet caps and plugs and container caps where supplied as soon as container is disconnected from equipment. Keep container valve outlets clean and free from contaminates particularly oil and water. If user experiences any difficulty operating container valve discontinue use and contact supplier. Never attempt to transfer gases from one container to another. Container valve guards or caps should be in place.

7.2 Conditions for safe storage, including any incompatibilities:
Containers should not be stored in conditions likely to encourage corrosion. Stored containers should be periodically checked for general conditions and leakage. Container valve guards or caps should be in place. Store containers in location free from fire risk and away from sources of heat and ignition. Keep away from combustible material.
7.3 Specific end use(s): None.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

DNEL-Values

<table>
<thead>
<tr>
<th>Critical component</th>
<th>Type</th>
<th>Value</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trifluoromethane</td>
<td>Worker - inhalative, long-term - systemic</td>
<td>1439 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

PNEC-Values

<table>
<thead>
<tr>
<th>Critical component</th>
<th>Type</th>
<th>Value</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perfluoroethane</td>
<td>Aquatic (marine water)</td>
<td>0.004 mg/l</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Aquatic (freshwater)</td>
<td>0.038 mg/l</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Sediment (marine water)</td>
<td>0.068 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Sediment (freshwater)</td>
<td>0.679 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Aquatic (intermit. releases)</td>
<td>0.375 mg/l</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Soil</td>
<td>0.071 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Trifluoromethane</td>
<td>Sediment (freshwater)</td>
<td>0.665 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Aquatic (intermit. releases)</td>
<td>1.545 mg/l</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Sediment (marine water)</td>
<td>0.067 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Aquatic (marine water)</td>
<td>0.016 mg/l</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Aquatic (freshwater)</td>
<td>0.155 mg/l</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Soil</td>
<td>0.043 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

**Appropriate engineering controls:**

Consider a work permit system e.g. for maintenance activities. Ensure adequate air ventilation. Oxygen detectors should be used when asphyxiating gases may be released. Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Systems under pressure should be regularly checked for leakages. Preferably use permanent leak tight connections (e.g. welded pipes). Do not eat, drink or smoke when using the product.

**Individual protection measures, such as personal protective equipment**

**General information:**

A risk assessment should be conducted and documented in each work area to assess the risks related to the use of the product and to select the PPE that matches the relevant risk. The following recommendations should be considered. Keep self contained breathing apparatus readily available for emergency use. Personal protective equipment for the body should be selected based on the task being performed and the risks involved.
Eye/face protection: Safety eyewear, goggles or face-shield to EN166 should be used to avoid exposure to liquid splashes. Wear eye protection to EN 166 when using gases. Guideline: EN 166 Personal Eye Protection.

Skin protection
Hand Protection: Wear working gloves while handling containers Guideline: EN 388 Protective gloves against mechanical risks.

Body protection: No special precautions.

Other: Wear safety shoes while handling containers Guideline: ISO 20345 Personal protective equipment - Safety footwear.

Respiratory Protection: Not required.

Thermal hazards: No precautionary measures are necessary.

Hygiene measures: Specific risk management measures are not required beyond good industrial hygiene and safety procedures. Do not eat, drink or smoke when using the product.

Environmental exposure controls: For waste disposal, see section 13.

SECTION 9: Physical And Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance
Physical state: Gas
Form: Liquefied gas
Colour: CHF3: Colorless C2F6: Colorless

Odour: C2F6: Odorless CHF3: Slight ethereal

Odour Threshold: Odour threshold is subjective and is inadequate to warn of over exposure.

pH: not applicable.
Melting Point: No data available.
Boiling Point: -88.3 °C
Sublimation Point: not applicable.
Critical Temp. (°C): No data available.
Flash Point: Not applicable to gases and gas mixtures.
Evaporation Rate: Not applicable to gases and gas mixtures.
Flammability (solid, gas): Non-Flammable Gas
Flammability limit - upper (%): not applicable.
Flammability limit - lower(%): not applicable.
Vapour pressure: No reliable data available.
Vapour density (air=1): 3.36 (calculated) (15 °C)
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Relative density: 0.76 (10 °C)
Solubility(ies)
   Solubility in Water: No data available.
Partition coefficient (n-octanol/water): Not known.
Autoignition Temperature: not applicable.
Decomposition Temperature: Not known.
Viscosity
   Kinematic viscosity: No data available.
   Dynamic viscosity: No data available.
Explosive properties: Not applicable.
Oxidising Properties: not applicable.

9.2 Other information: Gas/vapour heavier than air. May accumulate in confined spaces, particularly at or below ground level.

SECTION 10: Stability and Reactivity

10.1 Reactivity: No reactivity hazard other than the effects described in sub-section below.

10.2 Chemical Stability: Stable under normal conditions.

10.3 Possibility of Hazardous Reactions: None.

10.4 Conditions to Avoid: Open flames and high energy ignition sources. The product is not flammable in air under ambient conditions of temperature and pressure. When pressurised with air or oxygen, the mixture may become flammable. Certain mixtures of HCFCs or HFCs with chlorine may become flammable or reactive under certain conditions.

10.5 Incompatible Materials: No reaction with any common materials in dry or wet conditions. Alkali metals. Alkali earth metals. Chemically-active metals (such as calcium, powdered aluminium, zinc, and magnesium)

10.6 Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological Information

General information: None.

11.1 Information on toxicological effects

Acute toxicity - Oral Product Based on available data, the classification criteria are not met.
**SAFETY DATA SHEET**

**C2F6 37.3249 %; CHF3 62.6751 %**

<table>
<thead>
<tr>
<th>Property</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Issue Date</strong></td>
<td>12.11.2014</td>
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<td><strong>Last revised date</strong></td>
<td>03.04.2018</td>
</tr>
<tr>
<td><strong>Version</strong></td>
<td>1.2</td>
</tr>
<tr>
<td><strong>SDS No.</strong></td>
<td>000010022597</td>
</tr>
</tbody>
</table>

**Acute toxicity - Dermal Product**

Based on available data, the classification criteria are not met.

**Acute toxicity - Inhalation Product**

Based on available data, the classification criteria are not met.

**Component information**

**Perfluoroothane**

LC 50 (Rat, 4 h): > 50000 ppm Remarks: Gas Experimental result, Key study

**Repeated dose toxicity**

**Component information**

**Perfluoroothane**

NOAEL (Rat(Female, Male), Inhalation, 1 Months): 50,000 ppm(m) inhalation Experimental result, Key study

**Trifluoromethane**

LOAEL (Rat(Female, Male), Inhalation, 90 d): > 10,000 ppm(m) inhalation Experimental result, Key study

**Skin Corrosion/Irritation Product**

Based on available data, the classification criteria are not met.

**Serious Eye Damage/Eye Irritation Product**

Based on available data, the classification criteria are not met.

**Respiratory or Skin Sensitisation Product**

Based on available data, the classification criteria are not met.

**Germ Cell Mutagenicity Product**

Based on available data, the classification criteria are not met.

**Carcinogenicity Product**

Based on available data, the classification criteria are not met.

**Reproductive toxicity Product**

Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Single Exposure Product**

Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Repeated Exposure Product**

Based on available data, the classification criteria are not met.

**Aspiration Hazard Product**

Not applicable to gases and gas mixtures.
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Other Relevant Toxicity Information

Trifluoromethane
Cardiac sensitisation threshold limit
>172414 mg/m3
Dog

Light hydrocarbons like this one have been associated with cardiac sensitisation in abuse situations. Hypoxia or the injection of adrenaline-like substances enhances these effects. May produce irregular heart beat and nervous symptoms.

Perfluoroethane
Cardiac sensitisation threshold limit
1129943.5 mg/m3
Beagle (dog)

Light hydrocarbons like this one have been associated with cardiac sensitisation in abuse situations. Hypoxia or the injection of adrenaline-like substances enhances these effects. May produce irregular heart beat and nervous symptoms.

SECTION 12: Ecological Information

12.1 Toxicity

Acute toxicity
Product
No ecological damage caused by this product.

Acute toxicity - Fish
Component information
Perfluoroethane
LC 50 (Pimephales promelas, 96 h): 82.3 mg/l Remarks: QSAR QSAR, Key study

Trifluoromethane
LC 50 (Pimephales promelas, 96 h): 633.26 mg/l Remarks: QSAR QSAR, Key study

Acute toxicity - Aquatic Invertebrates
Component information
Perfluoroethane
LC 50 (Daphnia magna, 48 h): 47.4 mg/l Remarks: QSAR QSAR, Key study

Trifluoromethane
LC 50 (Daphnia magna, 48 h): 323.05 mg/l Remarks: QSAR QSAR, Key study

12.2 Persistence and Degradability
Product
Not applicable to gases and gas mixtures..

12.3 Bioaccumulative Potential
Product
The subject product is expected to biodegrade and is not expected to persist for long periods in an aquatic environment.
12.4 Mobility in Soil
Product
Because of its high volatility, the product is unlikely to cause ground or water pollution.

Component information
Trifluoromethane
Henry's Law Constant: 533.9 MPa (25 °C)

12.5 Results of PBT and vPvB assessment
Product
Not classified as PBT or vPvB.

12.6 Other Adverse Effects:
Global Warming Potential
Global warming potential: 13,396.0
Contains fluorinated greenhouse gases. When discharged in large quantities may contribute to the greenhouse effect. For GWP value of mixture and quantities, refer to container label.

Component information
Perfluoroethane
EU: F-Gases Subject to Emission Limits/Reporting (Annexes I, II), Regulation 517/2014/EU on FGGs
- Global warming potential: 12200 Annex 1: Fluorinated greenhouse gases referred to in Point 1 of Article 2; Section 2: Perfluorocarbons (PFCs) and its mixtures

Trifluoromethane
EU: F-Gases Subject to Emission Limits/Reporting (Annexes I, II), Regulation 517/2014/EU on FGGs
- Global warming potential: 14800 Annex 1: Fluorinated greenhouse gases referred to in Point 1 of Article 2; Section 1: Hydrofluorocarbons (HFCs) and its mixtures

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

General information:
Avoid discharges to atmosphere. Do not discharge into any place where its accumulation could be dangerous. Refer to manufacturer or supplier for information on recovery or recycling.

Disposal methods:
Refer to the EIGA code of practice (Doc 30 "Disposal of Gases", downloadable at http://www.eiga.org) for more guidance on suitable disposal methods. Dispose of container via supplier only. Discharge, treatment, or disposal may be subject to national, state, or local laws.

European Waste Codes
Container: 14 06 01*: chlorofluorocarbons, HCFC, HFC
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SECTION 14: Transport Information

ADR
14.1 UN Number: UN 3163
14.2 UN Proper Shipping Name: LIQUEFIED GAS, N.O.S.(Trifluoromethane, Hexafluoroethane)
14.3 Transport Hazard Class(es)
   Class: 2
   Label(s): 2.2
   Hazard No. (ADR): 20
   Tunnel restriction code: (C/E)
14.4 Packing Group: -
14.5 Environmental hazards: not applicable
14.6 Special precautions for user: -

RID
14.1 UN Number: UN 3163
14.2 UN Proper Shipping Name: LIQUEFIED GAS, N.O.S.(Trifluoromethane, Hexafluoroethane)
14.3 Transport Hazard Class(es)
   Class: 2
   Label(s): 2.2
14.4 Packing Group: -
14.5 Environmental hazards: not applicable
14.6 Special precautions for user: -

IMDG
14.1 UN Number: UN 3163
14.2 UN Proper Shipping Name: LIQUEFIED GAS, N.O.S.(Trifluoromethane, Hexafluoroethane)
14.3 Transport Hazard Class(es)
   Class: 2.2
   Label(s): 2.2
   EmS No.: F-C, S-V
14.3 Packing Group: -
14.5 Environmental hazards: not applicable
14.6 Special precautions for user: -

IATA
14.1 UN Number: UN 3163
14.2 Proper Shipping Name: Liquefied gas, n.o.s.(Trifluoromethane, Hexafluoroethane)
14.3 Transport Hazard Class(es): 2.2
   Label(s): 2.2
14.4 Packing Group: -
14.5 Environmental hazards: not applicable
14.6 Special precautions for user: -
   Other information
   Passenger and cargo aircraft: Allowed.
   Cargo aircraft only: Allowed.
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: not applicable

Additional identification: Avoid transport on vehicles where the load space is not separated from the driver’s compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers ensure that they are firmly secured. Ensure that the container valve is closed and not leaking. Container valve guards or caps should be in place. Ensure adequate air ventilation.

SECTION 15: Regulatory information

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

EU Regulations

National Regulations

Management of Health and Safety at Work Regulations (1999 No. 3242), The Regulatory Reform (Fire Safety) Order 2005 (2005 No. 1541), Control of Substances Hazardous to Health Regulations (COSHH, 2002 No. 2677), Provision and Use of Work Equipment Regulations (PUWER, 1998 No. 2306), Personal Protective Equipment Regulations (1992 No. 2966), Control of Major Accident Hazards Regulations (COMAH, 2015 No. 483), Pressure Systems Safety Regulations (PSSR, 2000 No. 128). Only products that comply with the food regulations (EC) No. 1333/2008 and (EU) No. 231/2012 and are labelled as such may be used as food additives.

This Safety Data Sheet has been produced to comply with Regulation (EU) 2015/830.

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

SECTION 16: Other Information

Revision Information: Not relevant.
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Key literature references and sources for data:
Various sources of data have been used in the compilation of this SDS, they include but are not exclusive to:
- Agency for Toxic Substances and Diseases Registry (ATSDR) (http://www.atsdr.cdc.gov/).
- European Industrial Gases Association (EIGA) Doc. 169 Classification and Labelling guide.
- International Programme on Chemical Safety (http://www.inchem.org/)
- ISO 10156:2010 Gases and gas mixtures - Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets.
- The ESIS (European chemical Substances S Information System) platform of the former European Chemicals Bureau (ECB) ESIS (http://ecb.jrc.ec.europa.eu/esis/).
- The European Chemical Industry Council (CEFIC) ERICards.
- Threshold Limit Values (TLV) from the American Conference of Governmental Industrial Hygienists (ACGIH).
- Substance specific information from suppliers.
- Details given in this document are believed to be correct at the time of publication. EH40 (as amended) Workplace exposure limits.

Wording of the H-statements in sections 2 and 3
- H280 Contains gas under pressure; may explode if heated.

Training information:
Users of breathing apparatus must be trained. The hazard of asphyxiation is often overlooked and must be stressed during operator training. Ensure operators understand the hazards.

Classification according to Regulation (EC) No 1272/2008 as amended.

Other information:
Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out. Ensure adequate air ventilation. Ensure all national/local regulations are observed. Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted. Note: When the Product Name appears in the SDS header the decimal sign and its position comply with rules for the structure and drafting of international standards, and is a comma on the line. As an example 2,000 is two (to three decimal places) and not two thousand, whilst 1.000 is one thousand and not one (to three decimal places).

Last revised date: 03.04.2018
Disclaimer:
This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.