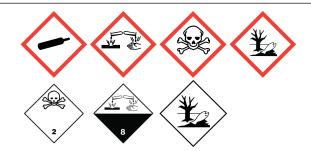


Anhydrous ammonia

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Reference number: SDS-002-CLP Issue date: 11/5/2010 Revision date: 1/16/2023 Supersedes version of: 9/29/2022 Version: 5.0

Danger



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

1.1. Product identifier

1.1. Floduct identifier	
Trade name	: Anhydrous ammonia
SDS no	: SDS-002-CLP
Other means of identification	: Anhydrous ammonia
	CAS-No. : 7664-41-7
	EC-No. : 231-635-3
	EC Index-No. : 007-001-00-5
REACH registration No	: 01-2119488876-14
Chemical formula	: NH3
1.2. Relevant identified uses of the subs	stance or mixture and uses advised against
Relevant identified uses	: See the list of identified uses and exposure scenarios in the annex of the safety data sheet.
	Perform risk assessment prior to use.
Uses advised against	: Consumer use.
	Uses other than those listed above are not supported, contact your supplier for more information on other uses.
1.3. Details of the supplier of the safety	<u>data sheet</u>
Energas Ltd.	
Westmorland Street	
HU2 0HX Hull	
T 0044 1482 329333	
safety.aluk@airliquide.com	
1.4. Emergency telephone number	
Emergency telephone number	: 01675 462695 (Available 24/7)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Physical hazards	Flammable gases, Category 2	H221
	Gases under pressure : Liquefied gas	H280
Health hazards	Acute toxicity (inhalation:gas) Category 3	H331
	Skin corrosion/irritation, Category 1, Sub-Category 1B	H314
	Serious eye damage/eye irritation, Category 1	H318
Environmental hazards	Hazardous to the aquatic environment – Acute Hazard, Category 1	H400
	Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411



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2.2. Label elements

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

Hazard pictograms (CLP)

Hazard pictograms (CLP)	
	GHS04 GHS05 GHS06 GHS09
Signal word (CLP)	: Danger
Hazard statements (CLP)	: H314 - Causes severe skin burns and eye damage. H221 - Flammable gas.
	H280 - Contains gas under pressure; may explode if heated. H331 - Toxic if inhaled.
	H410 - Very toxic to aquatic life with long lasting effects. EUH071 - Corrosive to the respiratory tract.
Precautionary statements (CLP)	
- Prevention	 P280 - Wear eye protection, face protection, protective clothing, protective gloves. P271 - Use only outdoors or in a well-ventilated area.
	P273 - Avoid release to the environment.
	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling.
	P204 - Wash hands, forearms and face thoroughly after handling. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
	No smoking.
- Response	: P391 - Collect spillage.
	P321 - Specific treatment (see supplemental first aid instruction on this label).
	P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310 - Immediately call a POISON CENTER or doctor.
	P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
	P381 - In case of leakage, eliminate all ignition sources.
	P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove
Storago	contact lenses, if present and easy to do. Continue rinsing.
- Storage	 P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up.
	P403 - Store in a well-ventilated place.
	P410+P403 - Protect from sunlight. Store in a well-ventilated place.
- Disposal considerations	: P501 - Dispose of contents/container to hazardous or special waste collection point, in
•	accordance with local, regional, national and/or international regulation.
2.3. Other hazards	
	Not classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1. Substances

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Anhydrous ammonia	CAS-No.: 7664-41-7 EC-No.: 231-635-3 EC Index-No.: 007-001-00-5 REACH registration No: 01-2119488876- 14	100	Flam. Gas 2, H221 Press. Gas (Liq.), H280 Acute Tox. 3 (Inhalation:gas), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411



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Contains no other components or impurities which will influence the classification of the product. Not applicable

3.2. Mixtures

SECTION 4: First aid mea	sures
4.1. Description of first aid mea	sures
- Inhalation	 Remove victim to uncontaminated area wearing self contained breathing apparatus. Keep victim warm and rested. Call a doctor. Perform cardiopulmonary resuscitation if breathing stopped.
- Skin contact	 Remove contaminated clothing. Drench affected area with water for at least 15 minutes. In case of frostbite spray with water for at least 15 minutes. Apply a sterile dressing. Obtain medical assistance.
- Eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes.
- Ingestion	: Ingestion is not considered a potential route of exposure.
4.2. Most important symptoms a	and effects, both acute and delayed
	In high concentrations may cause asphyxiation. Symptoms may include loss of mobility/consciousness. Victim may not be aware of asphyxiation. Prolonged exposure to small concentrations may result in pulmonary oedema. May cause severe chemical burns to skin and cornea. Suitable first-aid treatment should be immediately available. Seek medical advice before using product. Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea. See section 11.

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

Obtain medical assistance.

Treat with corticosteroid spray as soon as possible after inhalation.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
- Suitable extinguishing media	: Water spray or fog. Foam. Shutting off the source of the gas is the preferred method of control.
- Unsuitable extinguishing media	: Do not use water jet to extinguish.
5.2. Special hazards arising from the substance	e or mixture
Specific hazards Hazardous combustion products	Exposure to fire may cause containers to rupture/explode.Nitric oxide/nitrogen dioxide.
5.3. Advice for firefighters	
Specific methods	 Use fire control measures appropriate for the surrounding fire. Exposure to fire and heat radiation may cause gas receptacles to rupture. Cool endangered receptacles with water spray jet from a protected position. Prevent water used in emergency cases from entering sewers and drainage systems. If possible, stop flow of product. Use water spray or fog to knock down fire fumes if possible. Do not extinguish a leaking gas flame unless absolutely necessary. Spontaneous/explosive re-ignition may occur. Extinguish any other fire. Move containers away from the fire area if this can be done without risk.
Special protective equipment for fire fighters	 Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. Standard EN 943-2: Protective clothing against liquid and gaseous chemicals, aerosols and solid particles. Gas-tight chemical protective suits for emergency teams. Standard EN 137 - Self-contained open-circuit compressed air breathing apparatus with full face mask.



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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures		
For non-emergency personnel :	Act in accordance with local emergency plan. Try to stop release. Evacuate area. Ensure adequate air ventilation. Eliminate ignition sources. Stay upwind. See section 8 of the SDS for more information on personal protective equipment.	
For emergency responders :	Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe. Use chemically protective clothing. Monitor concentration of released product. Consider the risk of potentially explosive atmospheres. See section 5.3 of the SDS for more information.	
6.2. Environmental precautions		
	Reduce vapour with fog or fine water spray. Try to stop release.	
6.3. Methods and material for containment and cleaning up		
	Hose down area with water. Ventilate area. Wash contaminated equipment or sites of leaks with copious quantities of water.	
6.4. Reference to other sections		
	See also sections 8 and 13.	
SECTION 7: Handling and storage		

7.1. Precautions for safe handling

Safe use of the product

: Do not breathe gas.

Avoid release of product into atmosphere. Use only lubricants and sealings approved for the specific gas service. The product must be handled in accordance with good industrial hygiene and safety procedures. Only experienced and properly instructed persons should handle gases under pressure. Consider pressure relief device(s) in gas installations. Ensure the complete gas system was (or is regularily) checked for leaks before use. Do not smoke while handling product. Avoid exposure, obtain special instructions before use. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Installation of a cross purge assembly between the container and the regulator is recommended. Purge system with dry inert gas (e.g. helium or nitrogen) before gas is introduced and when system is placed out of service. Avoid suck back of water, acid and alkalis. Assess the risk of potentially explosive atmospheres and the need for explosion-proof equipment. Purge air from system before introducing gas. Take precautionary measures against static discharge. Keep away from ignition sources (including static discharges). Consider the use of only non-sparking tools.

Ensure equipment is adequately earthed.



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Safe handling of the gas receptacle :	Refer to supplier's container handling instructions. Do not allow backfeed into the container. Protect containers from physical damage; do not drag, roll, slide or drop. When moving cylinders, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport cylinders. 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. If user experiences any difficulty operating valve discontinue use and contact supplier. Never attempt to repair or modify container valves or safety relief devices. Damaged valves should be reported immediately to the supplier. Keep container valve outlets clean and free from contaminants particularly oil and water. Replace valve outlet caps or plugs and container caps where supplied as soon as container is disconnected from equipment. Close container valve after each use and when empty, even if still connected to equipment. Never attempt to transfer gases from one cylinder/container to another. Never use direct flame or electrical heating devices to raise the pressure of a container. Do not remove or deface labels provided by the supplier for the identification of the content of the container. Suck back of water into the container must be prevented. Open valve slowly to avoid pressure shock.
7.2. Conditions for safe storage, including any inco	ompatibilities
	Observe all regulations and local requirements regarding storage of containers. Containers should not be stored in conditions likely to encourage corrosion. Container valve guards or caps should be in place. Containers should be stored in the vertical position and properly secured to prevent them from falling over. Stored containers should be periodically checked for general condition and leakage. Keep container below 50°C in a well ventilated place. Store containers in location free from fire risk and away from sources of heat and ignition. Keep away from combustible materials. Segregate from oxidant gases and other oxidants in store. All electrical equipment in the storage areas should be compatible with the risk of a potentially explosive atmosphere.
7.3. Specific end use(s)	

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Anhydrous ammonia (7664-41-7) United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	18 mg/m³
WEL TWA (OEL TWA) [2]	25 ppm
WEL STEL (OEL STEL)	25 mg/m³
WEL STEL (OEL STEL) [ppm]	35 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Anhydrous ammonia (7664-41-7) DNEL: Derived no effect level (Workers)



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Acute - local effects, inhalation	36 mg/m ³
Acute - systemic effects, inhalation	47.6 mg/m ³
Long-term - local effects, inhalation	14 mg/m³
Long-term - systemic effects, inhalation	47.6 mg/m ³
Acute - systemic effects, dermal	6.8 mg/kg bw/day
Long-term - systemic effects, dermal	6.8 mg/kg bw/day

Anhydrous ammonia (7664-41-7)	
PNEC: Predicted no effect concentration	
Aqua (freshwater)	0.0011 mg/l
Aqua (marine water)	0.0011 mg/l

8.2. Exposure controls

8.2.1. Appropriate engineering controls

· · · · · · · · · · · · · · · · · · ·	
	Provide adequate general and local exhaust ventilation.
	Product to be handled in a closed system.
	Systems under pressure should be regularily checked for leakages.
	Ensure exposure is below occupational exposure limits (where available).
	Gas detectors should be used when toxic gases may be released.
	Consider the use of a work permit system e.g. for maintenance activities.
8.2.2. Individual protection measures, e.g. persona	al protective equipment
	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:
	PPE compliant to the recommended EN/ISO standards should be selected.
Eye/face protection	: Wear goggles and a face shield when transfilling or breaking transfer connections.
	Standard EN 166 - Personal eye-protection - specifications.
	Provide readily accessible eye wash stations and safety showers.
Skin protection	
- Hand protection	: Wear working gloves when handling gas containers.
	Wear chemically resistant protective gloves.
	Standard EN 388 - Protective gloves against mechanical risk, performance level 1 or higher.
	Standard EN 511 - Cold insulating gloves.
	Standard EN 374 - Protective gloves against chemicals.
	Permeation time: minimum >30min short term exposure: material / thickness [mm] Chloroprene rubber (CR) 0,5.
	Permeation time: minimum >480min long term exposure: material / thickness [mm] Butyl rubber (IIR) 0,7.
	Consult glove manufacturer's product information on material suitability and material thickness.
	The breakthrough time of the selected gloves must be greater than the intended use period.
- Other	: Keep suitable chemically resistant protective clothing readily available for emergency use.
	Standard EN943-1 - Full protective suits against liquid, solid and gaseous chemicals.
	Wear safety shoes while handling containers.
	Standard EN ISO 20345 - Personal protective equipment - Safety footwear.
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 Respiratory protection 	 Gas filters may be used if all surrounding conditions e.g. type and concentration of the contaminant(s) and duration of use are known. Use gas filters with full face mask, where exposure limits may be exceeded for a short-term period, e.g. connecting or disconnecting containers. Recommended: Filter K (green). Standard EN 137 - Self-contained open-circuit compressed air breathing apparatus with full face mask. Gas filters do not protect against oxygen deficiency. Standard EN 14387 - Gas filter(s), combined filter(s) and standard EN136, full face masks . Keep self contained breathing apparatus readily available for emergency use. Self contained breathing apparatus is recommended, where unknown exposure may be expected, e.g. during maintenance activities on installation systems.
Thermal hazards	: None in addition to the above sections.

Refer to local regulations for restriction of emissions to the atmosphere. See section 13 for specific methods for waste gas treatment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
 Physical state at 20°C / 101.3kPa 	: Gas.
- Colour	: Colourless.
Odour	: Ammoniacal.
Melting point / Freezing point	: -77.7 °C
	-77.7 °C
Boiling point	: -33 °C
Flammability	: Flammable gas.
Lower explosion limit	: Not available.
Upper explosion limit	: Not available.
Flash point	: Not applicable for gases and gas mixtures.
Auto-ignition temperature	: 630 °C
Decomposition temperature	: Not applicable.
рН	: If dissolved in water pH-value will be affected.
Viscosity, kinematic	: No reliable data available.
Water solubility [20°C]	: 517 g/l
Partition coefficient n-octanol/water (Log Kow)	: Not available.
Vapour pressure [20°C]	: 8.6 bar(a)
Vapour pressure [50°C]	: 20 bar(a)
Density and/or relative density	: Not applicable.
Relative vapour density (air=1)	: 0.6
Particle characteristics	: Not applicable.

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Explosive properties	: Not applicable.
Explosion limits	: 15.4 – 33.6 vol %
Oxidising properties	: Not applicable.
Critical temperature [°C]	: 132 °C
9.2.2. Other safety characteristics	
9.2.2. Other safety characteristics Molar mass	: 17 g/mol
•	: 17 g/mol: Not applicable for gases and gas mixtures.



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SECTION 10: Stability and reactivity

10.1. Reactivity	
	No reactivity hazard other than the effects described in sub-sections below.
10.2. Chemical stability	
	Stable under normal conditions.
10.3. Possibility of hazardous reactions	
	Can form explosive mixture with air.
	May react violently with oxidants.
10.4. Conditions to avoid	
	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
	Avoid moisture in installation systems.
10.5. Incompatible materials	
	Reacts with water to form corrosive alkalis.
	May react violently with acids.
	Air, Oxidisers.
	For additional information on compatibility refer to ISO 11114.
10.6. Hazardous decomposition products	
	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	: Toxic if inhaled.
LC50 Inhalation - Rat [ppm]	2000 ppm/4h
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: No known effects from this product.
Germ cell mutagenicity	: No known effects from this product.
Carcinogenicity	: No known effects from this product.
Toxic for reproduction : Fertility	: No known effects from this product.
Toxic for reproduction : unborn child	: No known effects from this product.
STOT-single exposure	: May cause inflammation of the respiratory system. Severe corrosion to the respiratory tract at high concentrations.
Target organ(s)	: Respiratory tract.
STOT-repeated exposure	: No known effects from this product.
Aspiration hazard	: Not applicable for gases and gas mixtures.
11.2. Information on other hazards	
Other information	: Inhalation of large amounts leads to bronchospasm, laryngeal oedema and pseudomembrane formation.

SECTION 12: Ecological information	on
<u>12.1. Toxicity</u>	
Assessment	: Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.
EC50 48h - Daphnia magna [mg/l]	: 101 mg/l



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EC50 72h - Algae [mg/l] LC50 96 h - Fish [mg/l]	: No data available. : 0.89 mg/l
12.2. Persistence and degradability	
Assessment	: The substance is readily biodegradable. Unlikely to persist.
12.3. Bioaccumulative potential	
Assessment	: No data available.
<u>12.4. Mobility in soil</u>	
Assessment	: Because of its high volatility, the product is unlikely to cause ground or water pollution. Partition into soil is unlikely.
12.5. Results of PBT and vPvB assessment	
Assessment	: Not classified as PBT or vPvB.
12.6. Endocrine disrupting properties	
Assessment	:
12.7. Other adverse effects	
Other adverse effects	: May cause pH changes in aqueous ecological systems.
Effect on the ozone layer	: No effect on the ozone layer.
Effect on global warming	: No known effects from this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

List of hazardous waste codes (from Commission Decision 2000/532/EC as amended)	 Contact supplier if guidance is required. Must not be discharged to atmosphere. Toxic and corrosive gases formed during combustion should be scrubbed before discharge to atmosphere. Gas may be scrubbed in sulphuric acid solution. Gas may be scrubbed in water. Ensure that the emission levels from local regulations or operating permits are not exceeded. 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. Return unused product in original container to supplier. 16 05 04 *: Gases in pressure containers (including halons) containing hazardous substances.
13.2. Additional information	External treatment and disposal of waste should comply with applicable local and/or
	External reaction and disposal of waste should comply with applicable local and/of

national regulations.

SECTION 14: Transport information

14.1. UN number or ID number

In accordance with ADR / RID / IMDG / IATA / ADN UN-No. : 1005



: AMMONIA, ANHYDROUS

AMMONIA, ANHYDROUS

: Ammonia, anhydrous

Anhydrous ammonia

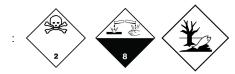
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Reference number: SDS-002-CLP

14.2. UN proper shipping name

Transport by road/rail (ADR/RID) Transport by air (ICAO-TI / IATA-DGR) Transport by sea (IMDG)

14.3. Transport hazard class(es)

Labelling



2.3 : Toxic gases.8 : Corrosive substances.Environmentally hazardous substances

: 2

- : 2TC
- : 268

: C/D - Tank carriage : Passage forbidden through tunnels of category C, D and E. Other carriage : Passage forbidden through tunnels of category D and E

- : 2.3 (8)
- : F-C
- : S-U
- : Not applicable.
- : Not applicable.
- : Not applicable.

: Environmentally hazardous substance / mixture.

- : Environmentally hazardous substance / mixture.
- : Marine pollutant.

: P200.

- : Forbidden.
- : Forbidden.
- : P200.

: 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 there is adequate ventilation.
- Ensure that containers are firmly secured.
- Ensure valve is closed and not leaking.
- Ensure valve outlet cap nut or plug (where provided) is correctly fitted.
- Ensure valve protection device (where provided) is correctly fitted.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

Transport by road/rail (ADR/RID)

Class Classification code Hazard identification number Tunnel Restriction

Transport by sea (IMDG)

Class / Div. (Sub. risk(s)) Emergency Schedule (EmS) - Fire Emergency Schedule (EmS) - Spillage

14.4. Packing group

Transport by road/rail (ADR/RID) Transport by air (ICAO-TI / IATA-DGR) Transport by sea (IMDG)

14.5. Environmental hazards

Transport by road/rail (ADR/RID) Transport by air (ICAO-TI / IATA-DGR) Transport by sea (IMDG)

14.6. Special precautions for user

Packing Instruction(s)

Transport by road/rail (ADR/RID) Transport by air (ICAO-TI / IATA-DGR) Passenger and Cargo Aircraft Cargo Aircraft only Transport by sea (IMDG)

Special transport precautions



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SECTION 15: Regulatory information

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

EU-Regulations	
Restrictions on use	: None.
Other information, restriction and prohibition regulations	 Anhydrous ammonia is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 july 2012 concerning the export and import of hazardous chemicals.
Seveso Directive : 2012/18/EU (Seveso III)	: Listed.
National regulations	
Regulatory reference	: Ensure all national/local regulations are observed.
15.2. Chemical safety assessment	
	A CSA has been carried out.

SECTION 16: Other information

Indication of changes	: Safety data sheet in accordance with commission regulation (EU) No 2020/878.
Abbreviations and acronyms	 ATE - Acute Toxicity Estimate. CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. EINECS - European Inventory of Existing Commercial Chemical Substances. CAS# - Chemical Abstract Service number. PPE - Personal Protection Equipment. LC50 - Lethal Concentration to 50 % of a test population. RMM - Risk Management Measures. PBT - Persistent, Bioaccumulative and Toxic. vPvB - Very Persistent and Very Bioaccumulative. STOT- SE : Specific Target Organ Toxicity - Single Exposure. CSA - Chemical Safety Assessment. EN - European Standard. UN - United Nations. ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road. IATA - International Air Transport Association. IMDG code - International Maritime Dangerous Goods. RID - Regulations concerning the International Carriage of Dangerous Goods by Rail. WGK - Water Hazard Class.
	STOT - RE : Specific Target Organ Toxicity - Repeated Exposure. UFI : Unique Formula Identifier.
Training advice	 Users of breathing apparatus must be trained. Ensure operators understand the flammability hazard. Ensure operators understand the toxicity hazard.
Further information	 Classification in accordance with the procedures and calculation methods of Regulation (EC) 1272/2008 (CLP). Key literature references and sources of data are maintained in EIGA doc 169 : 'Classification and Labelling Guide', downloadable at http://www.Eiga.eu

Full text of H- and EUH-statements	
Acute Tox. 3 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 3
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
EUH071	Corrosive to the respiratory tract.



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Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Gas 2	Flammable gases, Category 2
H221	Flammable gas.
H280	Contains gas under pressure; may explode if heated.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
Press. Gas (Liq.)	Gases under pressure : Liquefied gas
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B

DISCLAIMER OF LIABILITY

: Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out.

Details given in this document are believed to be correct at the time of going to press. 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.

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