

Danger

# Safety Data Sheet

# 5 ppm Acetylene in Ethylene

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Reference number: SDS 01127 Issue date: 10/8/2019 Revision date: 11/7/2023 Supersedes version of: 1/13/2023 Version: 4.0



1.1. Product identifier	
SDS no	: SDS 01127
1.2. Relevant identified uses of the sub	ostance or mixture and uses advised against
Relevant identified uses Uses advised against	<ul> <li>Industrial and professional uses. Perform risk assessment prior to use.</li> <li>Consumer use.</li> <li>Uses other than those listed above are not supported, contact your supplier for more information on other uses.</li> </ul>
1.3. Details of the supplier of the safet	<u>y data sheet</u>
Air Liquide UK Ltd. Station Road Coleshill B46 1JY Birmingham United Kingdom <mark>safety.aluk@airliquide.com</mark>	
1.4. Emergency telephone number	
Emergency telephone number	: 01675 462695 (Available 24/7)
SECTION 2: Hazards identifica	tion

Physical hazards	Flammable gases, Category 1A	H220
	Gases under pressure : Liquefied gas	H280
Health hazards	Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336

### 2.2. Label elements

Hazard pictograms (CLP)	
	GHS02 GHS04 GHS07
Signal word (CLP)	: Danger
Hazard statements (CLP)	: H220 - Extremely flammable gas.
	H280 - Contains gas under pressure; may explode if heated.
	H336 - May cause drowsiness or dizziness.
Precautionary statements (CLP)	
- Prevention	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
	No smoking.



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- Response	<ul> <li>P304+P340+P315 - IF INHALED : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical advice / attention.</li> <li>P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely.</li> <li>P381 - In case of leakage, eliminate all ignition sources.</li> </ul>
- Storage	: P403 - Store in a well-ventilated place.
2.3. Other hazards	
	Asphyxiant in high concentrations.
	Contact with liquid may cause cold burns/frostbite.
	These high concentrations are within the flammability range. Not classified as PBT or vPvB.

### **SECTION 3: Composition/information on ingredients**

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethylene	CAS-No.: 74-85-1 EC-No.: 200-815-3 EC Index-No.: 601-010-00-3 REACH-no: 01-2119462827-27	99.9995	Flam. Gas 1A, H220 Press. Gas (Liq.), H280 STOT SE 3, H336
Acetylene (dissolved)	CAS-No.: 74-86-2 EC-No.: 200-816-9 EC Index-No.: 601-015-00-0 REACH-no: 01-2119457406-36	0.0005	Flam. Gas 1A - Chem. Unst. Gas A, H220;H230 Press. Gas (Diss.), H280

Full text of H- and EUH-statements: see section 16

Contains no other components or impurities which will influence the classification of the product.

# SECTION 4: First aid measures 4.1. Description of first aid measures

- Inhalation	<ul> <li>Remove victim to uncontaminated area wearing self contained breathing apparatus. Keep victim warm and rested. Call a doctor. Perform cardiopulmonary resuscitation if breathing stopped.</li> </ul>
- Skin contact	: 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	nd 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. In low concentrations may cause narcotic effects. Symptoms may include dizziness,

headache, nausea and loss of co-ordination.

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

Obtain medical assistance.

See section 11.



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### **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

- Suitable extinguishing media - Unsuitable extinguishing media	<ul><li>Shutting off the source of the gas is the preferred method of control.</li><li>Do not use water jet to extinguish.</li></ul>
5.2. Special hazards arising from the substan	, , , , , , , , , , , , , , , , , , , ,
Specific hazards Hazardous combustion products	<ul> <li>Exposure to fire may cause containers to rupture/explode.</li> <li>Incomplete combustion may form carbon monoxide.</li> </ul>
5.3. Advice for firefighters	
Specific methods	<ul> <li>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.</li> <li>If possible, stop flow of product.</li> <li>Use water spray or fog to knock down fire fumes if possible.</li> <li>Do not extinguish a leaking gas flame unless absolutely necessary. Spontaneous/explosive re-ignition may occur. Extinguish any other fire.</li> <li>Move containers away from the fire area if this can be done without risk.</li> <li>Wear gas tight chemically protective clothing in combination with self contained breathing apparatus.</li> <li>Standard EN 943-2: Protective clothing against liquid and gaseous chemicals, aerosols and solid particles. Gas-tight chemical protective suits for emergency teams.</li> <li>Standard EN 137 - Self-contained open-circuit compressed air breathing apparatus with full face mask.</li> </ul>

### SECTION 6: Accidental release measures

: Act in accordance with local emergency plan.
Try to stop release.
Evacuate area.
Eliminate ignition sources.
Ensure adequate air ventilation.
Stay upwind.
See section 8 of the SDS for more information on personal protective equipment.
: Monitor concentration of released product.
Consider the risk of potentially explosive atmospheres.
Wear self-contained breathing apparatus when entering area unless atmosphere is proved
to be safe.
See section 5.3 of the SDS for more information.
Try to stop release.
ent and cleaning up
Ventilate area.

#### 6.4. Reference to other sections

See also sections 8 and 13.



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### **SECTION 7: Handling and storage**

7.1.	Precautions	for safe	handling
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7.1. Precautions for safe handling	
Safe use of the product	: Do not breathe gas.
	Avoid release of product into atmosphere.
	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.
	Use only properly specified equipment which is suitable for this product, its supply pressure
	and temperature. Contact your gas supplier if in doubt. 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.
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 in	ncompatibilities
	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)	
	N1



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## **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

Acetylene (dissolved) (74-86-2)		
Switzerland - Occupational Exposure Limits		
Remark Kritische Toxizität: Asphyxie		
USA - ACGIH - Occupational Exposure Limits		
Local name	Acetylene	
Remark (ACGIH)	TLV® Basis: Simple Asphyxiant	
Regulatory reference	ACGIH 2019	

#### Ethylene (74-85-1)

#### USA - ACGIH - Occupational Exposure Limits

Local name	Ethylene
ACGIH OEL TWA [ppm]	200 ppm
Remark (ACGIH)	TLV® Basis: Asphyxia. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2019

Acetylene (dissolved) (74-86-2)	
DNEL: Derived no effect level (Workers)	
Acute - systemic effects, inhalation	2675 mg/m <sup>3</sup>
Long-term - systemic effects, inhalation	2675 mg/m <sup>3</sup>

Ethylene (74-85-1)	
PNEC: Predicted no effect concentration	
Aqua (freshwater)	1.67 mg/l
Aqua (marine water)	1.67 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 flammable gases/vapours may be released. Consider the use of a work permit system e.g. for maintenance activities.

#### 8.2.2. Individual protection measures, e.g. personal 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 when transfilling or breaking transfer connections.
	Standard EN 166 - Personal eye-protection - specifications.



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Skin protection	
- Hand protection	: Wear working gloves when handling gas containers. Standard EN 388 - Protective gloves against mechanical risk, performance level 1 or higher.
	Wear cold insulating gloves when transfilling or breaking transfer connections.
	Standard EN 511 - Cold insulating gloves.
- Other	: Consider the use of flame resistant anti-static safety clothing.
	Standard EN ISO 14116 - Limited flame spread materials.
	Standard EN 1149-5 - Protective clothing: Electrostatic properties.
	Wear safety shoes while handling containers.
	Standard EN ISO 20345 - Personal protective equipment - Safety footwear.
Respiratory protection	<ul> <li>Gas filters may be used if all surrounding conditions e.g. type and concentration of the contaminant(s) and duration of use are known.</li> </ul>
	Use gas filters with full face mask, where exposure limits may be exceeded for a short-term
	period, e.g. connecting or disconnecting containers.
	Standard EN 137 - Self-contained open-circuit compressed air breathing apparatus with full
	face mask.
	Consult respiratory device supplier's product information for the selection of the appropriate
	device.
	Gas filters do not protect against oxygen deficiency.
	Never use any kind of filtering respiratory protection equipment when working with this
	substance due to it having poor or no warning properties.
	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.
8.2.3. Environmental exposure controls	

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	: Odour threshold is subjective and inadequate to warn of overexposure.
	Mixture contains one or more component(s) which have the following odour:
	Garlic like. Sweetish.
Melting point / Freezing point	: Not applicable for gas mixtures.
Boiling point	: Not applicable for gas mixtures.
	It is technically not possible to determine the boiling point or range of this mixture.
	Component with lowest boiling point: Ethylene -103 °C
Flammability	: Extremely flammable gas.
Lower explosion limit	: Calculated value: 2.40%
Upper explosion limit	: No test data or calculation method available.
Flash point	: Not applicable for gases and gas mixtures.
Auto-ignition temperature	: Not known.
	Auto ignition temperature for mixtures is not available. Component with lowest auto-ignition
	temperature : Acetylene (dissolved) 305 °C
Decomposition temperature	: Not applicable.
рН	: Not applicable for gases and gas mixtures.
Viscosity, kinematic	: No reliable data available.
Water solubility [20°C]	: Mixture is partially soluble in water
Partition coefficient n-octanol/water (Log Kow)	: Not applicable for gas mixtures.
Vapour pressure [20°C]	: Not known.
	Component with lowest volatility : Acetylene (dissolved) 44 bar(a)
	Component with highest volatility: Acetylene (dissolved) 44 bar(a)



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Vapour pressure [50°C]	: Not available.	
Density and/or relative density	: Not applicable.	
Relative vapour density (air=1)	: Lighter or similar to air.	
Particle characteristics	: Not applicable.	
9.2. Other information		
9.2.1. Information with regard to physical hazard classes		
Explosive properties	: Not applicable.	
Explosion limits	: Flammability range not available.	
Oxidising properties	: Not applicable.	
9.2.2. Other safety characteristics		
Molar mass	: Not applicable for gas mixtures.	
Evaporation rate	: Not applicable for gases and gas mixtures.	
Other data	: None.	

# **SECTION 10: Stability and reactivity**

10.1. Reactivity	
	No reactivity hazard other than the effects described in sub-sections below. Data for mixture are not available.
	This mixture contains components with the following reactivity : May decompose violently at high temperature and/or pressure or in the presence of a catalyst. Can form explosive mixture with air. May react violently with oxidants. May react explosively even in the absence of air.
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	
	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	: Toxicological effects not expected from this product if occupational exposure limit values are not exceeded.	
Skin corrosion/irritation	: No known effects from this product.	
Serious eye damage/irritation	: No known effects from this product.	
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.	



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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 drowsiness or dizziness.
STOT-repeated exposure	: No known effects from this product.
Aspiration hazard	: Not applicable for gases and gas mixtures.
11.2. Information on other hazards	
No additional information available	

# **SECTION 12: Ecological information**

## 12.1. Toxicity

Assessment	: Classification criteria are not met.
EC50 48h - Daphnia magna [mg/l]	: No data available.
EC50 72h - Algae [mg/l]	: No data available.
LC50 96 h - Fish [mg/l]	: No data available.

Acetylene (dissolved) (74-86-2)	
EC50 48h - Daphnia magna [mg/l]	242 mg/l
EC50 72h - Algae [mg/l]	57 mg/l
LC50 96 h - Fish [mg/l]	545 mg/l

Ethylene (74-85-1)	
EC50 48h - Daphnia magna [mg/l]	62.4 mg/l
EC50 72h - Algae [mg/l]	30.3 mg/l
LC50 96 h - Fish [mg/l]	126 mg/l

### 12.2. Persistence and degradability

Assessment	: No ecological damage caused by this product.
12.3. Bioaccumulative potential	
Assessment	: No data available.
<u>12.4. Mobility in soil</u>	
Assessment	: No ecological damage caused by this product.
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	: No known effects from this product.
Effect on the ozone layer	: No effect on the ozone layer.
Effect on global warming	: Contains greenhouse gas(es).



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### **SECTION 13: Disposal considerations**

13.1. Waste treatment methods	
List of hazardous waste codes (from Commission Decision 2000/532/EC as amended) 13.2. Additional information	<ul> <li>Contact supplier if guidance is required.</li> <li>Do not discharge into areas where there is a risk of forming an explosive mixture with air.</li> <li>Waste gas should be flared through a suitable burner with flash back arrestor.</li> <li>Do not discharge into any place where its accumulation could be dangerous.</li> <li>Ensure that the emission levels from local regulations or operating permits are not exceeded.</li> <li>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.</li> <li>Return unused product in original container to supplier.</li> <li>16 05 04 *: Gases in pressure containers (including halons) containing hazardous substances.</li> </ul>
15.2. Additional mormation	External treatment and disposal of waste should comply with applicable local and/or
	national regulations.

# **SECTION 14: Transport information**

14.1. UN number or ID number	
In accordance with ADR / RID / IMDG / IATA / ADN	
UN-No.	: 1964
14.2. UN proper shipping name	
Transport by road/rail (ADR/RID)	: HYDROCARBON GAS MIXTURE, COMPRESSED, N.O.S. (Ethylene)
Transport by air (ICAO-TI / IATA-DGR)	: Hydrocarbon gas mixture, compressed, n.o.s. (Ethylene)
Transport by sea (IMDG)	: HYDROCARBON GAS MIXTURE, COMPRESSED, N.O.S. (Ethylene)
14.3. Transport hazard class(es)	
Labelling	
	2.1 : Flammable gases.
Transport by road/rail (ADR/RID) Class	: 2
Classification code	: 2 : 1F
Hazard identification number	: 23
Tunnel Restriction	<ul> <li>B/D - Tank carriage: Passage forbidden through tunnels of category B, C, D and E. Other carriage: Passage forbidden through tunnels of category D and E</li> </ul>
Transport by air (ICAO-TI / IATA-DGR)	
Class / Div. (Sub. risk(s))	: 2.1
Transport by sea (IMDG)	
Class / Div. (Sub. risk(s))	: 2.1
Emergency Schedule (EmS) - Fire	: F-D
Emergency Schedule (EmS) - Spillage	: S-U
14.4. Packing group	
Transport by road/rail (ADR/RID)	: Not applicable.
Transport by air (ICAO-TI / IATA-DGR)	: Not applicable.
Transport by sea (IMDG)	: Not applicable.
14.5. Environmental hazards	
Transport by road/rail (ADR/RID)	: None.
Transport by air (ICAO-TI / IATA-DGR)	: None.



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Transport by sea (IMDG)	: None.
14.6. Special precautions for user	
Packing Instruction(s)	
Transport by road/rail (ADR/RID)	: P200.
Transport by air (ICAO-TI / IATA-DGR)	
Passenger and Cargo Aircraft	: Forbidden.
Cargo Aircraft only	: 200.
Transport by sea (IMDG)	: P200.
Special transport precautions	: 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.
	<ul> <li>Ensure valve is closed and not leaking.</li> </ul>
	- 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.

15.1. Sofety, booth and any ironmontal regulational agistation aposition for the substance or mixture

### **SECTION 15: Regulatory information**

15.1. Satety, health and environmental regulations/legislation specific for the substance or mixture	
EU-Regulations	
Restrictions on use	: None.
	Contains no substance on the REACH candidate list.
Other information, restriction and prohibition regulations	Contains no substance 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)	: Covered.
National regulations	
Water hazard class (WGK)	: nwg - Non-hazardous to water.
Regulatory reference	: Ensure all national/local regulations are observed.
15.2. Chemical safety assessment	
	A CSA does not need to be carried out for this product.

# **SECTION 16: Other information**

Indication of changes

: Safety data sheet in accordance with commission regulation (EU) No 2020/878.

Section	Changed item	Change	Comments	
	Supersedes version of	Modified		
	Revision date	Modified		
	Proper Shipping Name (RID)	Modified		
	Special provisions (RID)	Modified		
	Properties and observations (IMDG)	Modified		
	Stowage category (IMDG)	Modified		
	Proper Shipping Name (IMDG)	Modified		



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	Special provisions (IATA)	Modified	
	Proper Shipping Name (IATA)	Modified	
	UN-No. (RID)	Modified	
5.3	EAC code	Modified	
14.1	UN-No. (ADN)	Modified	
14.1	UN-No. (ADR)	Modified	
14.1	UN-No. (IMDG)	Modified	
14.1	UN-No. (IATA)	Modified	
14.2	Proper Shipping Name (ADN)	Modified	
14.2	Proper Shipping Name (ADR)	Modified	
14.6	Special provisions (ADN)	Modified	
14.6	Classification code (ADR)	Modified	
14.6	Special provisions (ADR)	Modified	

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	: Ensure operators understand the flammability hazard.
Further information	: Classification using data from databases maintained by the European Industrial Gases
	Association (EIGA). Data is maintained in EIGA doc 169 : 'Classification and Labelling
	Guide', downloadable at : http://www.eiga.eu.
	Classification in accordance with the procedures and calculation methods of Regulation (EC) 1272/2008 (CLP).

Full text of H- and EUH-statements	
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Gas 1A - Chem. Unst. Gas A	Flammable gases, Category 1A, Chemically unstable gas A
H220	Extremely flammable gas.
H230	May react explosively even in the absence of air.
H280	Contains gas under pressure; may explode if heated.



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H336	May cause drowsiness or dizziness.
Press. Gas (Diss.)	Gases under pressure : Dissolved gas
Press. Gas (Liq.)	Gases under pressure : Liquefied gas
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

### 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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