

Danger

Safety Data Sheet

6 % TO 50% HYDROGEN IN NITROGEN

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Reference number: 3344 Issue date: 3/16/2009 Revision date: 1/5/2023 Supersedes version of: 8/19/2022 Version: 5.0



1.1. Product identifier		
SDS no		: 3344
1.2. Relevant identified	uses of the substance of	or mixture and uses advised against
Relevant identified uses		: Industrial and professional uses. 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 supp	lier of the safety data sh	<u>neet</u>
Air Liquide UK Ltd Station Road, Coleshill Birmingham, B46 1JY		
1.4. Emergency teleph	one number	
Emergency telephone nu	Imber	: 01675 462695 (Available 24/7)
SECTION 2: Hazar	ds identification	
2.1. Classification of th	e substance or mixture	
	g to Regulation (EC) No.	. 1272/2008 [CLP]
Physical hazards	Flammable gases, Cat	
	Gases under pressure	
2.2. Label elements		
Labelling according to	Regulation (EC) No. 127	2/2008 [CLP]
Hazard pictograms (CLF)	
Signal word (CLP)		GHS02 GHS04 : Danger
• • •)	: Danger : H221 - Flammable gas.
Signal word (CLP) Hazard statements (CLP Precautionary statement		: Danger
Hazard statements (CLF Precautionary statement		: Danger : H221 - Flammable gas.
• • •		 Danger H221 - Flammable gas. H280 - Contains gas under pressure; may explode if heated. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition source



6 % TO 50% HYDROGEN IN NITROGEN

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Reference number: 3344

2.3. Other hazards

Asphyxiant in high concentrations. 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]
Nitrogen	CAS-No.: 7727-37-9 EC-No.: 231-783-9 EC Index-No.: REACH-no: *1	94	Press. Gas (Comp.), H280
Hydrogen	CAS-No.: 1333-74-0 EC-No.: 215-605-7 EC Index-No.: 001-001-00-9 REACH-no: *1	6 – 50	Flam. Gas 1A, H220 Press. Gas (Comp.), 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.

*1: Listed in Annex IV / V REACH, exempted from registration.

*3: Registration not required: Substance manufactured or imported < 1t/y.

SECTION 4: First aid measures

4.1. Description of first aid measures

- 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	: Adverse effects not expected from this product.
- Eye contact	: Adverse effects not expected from this product.
- Ingestion	: Ingestion is not considered a potential route of exposure.
4.2. Most important sympto	ms 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. See section 11.

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

None.

SECTION 5: Firefighting measures		
5.1. Extinguishing media		
 Suitable extinguishing media Unsuitable extinguishing media 	Shutting off the source of the gas is the preferred method of control.Do not use water jet to extinguish.	
5.2. Special hazards arising from the substance or mixture		
Specific hazards	: Exposure to fire may cause containers to rupture/explode.	



6 % TO 50% HYDROGEN IN NITROGEN

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Reference number: 3344

Hazardous combustion products	: None.
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	 In confined space use self-contained breathing apparatus. Standard protective clothing and equipment (Self Contained Breathing Apparatus) for fire fighters. Standard EN 137 - Self-contained open-circuit compressed air breathing apparatus with full face mask. Standard EN 469 - Protective clothing for firefighters. Standard - EN 659: Protective gloves for firefighters.

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.
	Eliminate ignition sources.
	Ensure adequate air ventilation.
	Stay upwind.
	See section 8 of the SDS for more information on personal protective equipment.
For emergency responders	: 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.
6.2. Environmental precautions	
	Try to stop release.
6.3. Methods and material for containment and cle	eaning up
	Ventilate area.
6.4. Reference to other sections	

See also sections 8 and 13.



6 % TO 50% HYDROGEN IN NITROGEN

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Reference number: 3344

SECTION 7: Handling and storage

71	Precautions	for safe	handling
1.1.	Frecautions	IUI Sale	nanunnu

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.
	Open valve slowly to avoid pressure shock.
7.2. Conditions for safe storage, including any inc	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)	
	News

None.



6 % TO 50% HYDROGEN IN NITROGEN

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Reference number: 3344

SECTION 8: Exposure controls/personal protection			
8.1. Control parameters			
OEL (Occupational Exposure Limits)	: None available.		
DNEL (Derived-No Effect Level)	: None available.		
PNEC (Predicted No-Effect Concentration)	: None available.		
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. 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. per	rsonal protective equipment		
Eye/face protection	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. Wear safety glasses with side shields.		
• Skin protection	Standard EN 166 - Personal eye-protection - specifications.		
Skin protection - Hand protection	: Wear working gloves when handling gas containers. Standard EN 388 - Protective gloves against mechanical risk, performance level 1 or higher.		
- 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	 Never use any kind of filtering respiratory protection equipment when working with this substance due to it having poor or no warning properties. 		
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	: Odourless.
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: Hydrogen -253 °C
Flammability	: Flammability range not available.
	Flammable gas.
Lower explosion limit	: Calculated value: 66.67%
Upper explosion limit	: No test data or calculation method available.
Flash point	: Not applicable for gas mixtures.
Auto-ignition temperature	: Not known.
	Auto ignition temperature for mixtures is not available. Component with lowest auto-ignition
	temperature : Hydrogen 560 °C



6 % TO 50% HYDROGEN IN NITROGEN

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Reference number: 3344

Decomposition temperature pH Viscosity, kinematic Water solubility [20°C] Partition coefficient n-octanol/water (Log Kow) Vapour pressure [20°C] Vapour pressure [50°C] Density and/or relative density Relative vapour density (air=1)	 Not applicable. Not applicable for gas mixtures. Not applicable. Mixture is partially soluble in water Not applicable for gas mixtures. Not applicable. Not applicable. Not applicable. 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 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 : Can form explosive mixture with air. May react violently with oxidants.
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	
	None. 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	: No toxicological effects from this product.
Skin corrosion/irritation	: No known effects from this product.
Serious eye damage/irritation	: No known effects from this product.



6 % TO 50% HYDROGEN IN NITROGEN

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Reference number: 3344

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	: No known effects from this product.
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 informati	on
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12.1. Toxicity

Assessment

EC50 48h - Daphnia magna [mg/l] EC50 72h - Algae [mg/l] LC50 96 h - Fish [mg/l] No ecological damage caused by this product.
No data available.
No data available.
No data available.

Hydrogen (1333-74-0)	
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.

Assessment : No ecological damage caused by this product. 12.3. Bioaccumulative potential . Assessment : No ecological damage caused by this product. 12.4. Mobility in soil . Assessment : No data available. Assessment : No ecological damage caused by this product. 12.5. Results of PBT and vPvB assessment : No ecological damage caused by this product. 12.5. Results of PBT and vPvB assessment : No ecological damage caused by this product. 12.5. Results of PBT and vPvB assessment : Not classified as PBT or vPvB. 12.6. Endocrine disrupting properties . Assessment : Not classified as PBT or vPvB. 12.6. Endocrine disrupting properties . Assessment : Not classified as PBT or vPvB. 12.7. Other adverse effects . Dther adverse effects : No known effects from this product. Effect on the ozone layer : No effect on the ozone layer.	Nitrogen (7727-37-9)	
LC50 96 h - Fish [mg/l] No data available. 12.2. Persistence and degradability Assessment : No ecological damage caused by this product. 12.3. Bioaccumulative potential Assessment : No ecological damage caused by this product. 12.4. Mobility in soil Assessment : No data available. Assessment : No tata available. Assessment : No tata available. Assessment : No classified as PBT or vPvB. 12.6. Endocrine disrupting properties	EC50 48h - Daphnia magna [mg/l]	No data available.
12.2. Persistence and degradability Assessment : No ecological damage caused by this product. 12.3. Bioaccumulative potential Assessment : No ecological damage caused by this product. 12.4. Mobility in soil Assessment : No data available. Assessment : No data available. Assessment : No ecological damage caused by this product. 12.5. Results of PBT and vPvB assessment : No ecological damage caused by this product. 12.5. Results of PBT and vPvB assessment : Not classified as PBT or vPvB. Assessment : Not classified as PBT or vPvB. 12.6. Endocrine disrupting properties : Assessment : Not classified as PBT or vPvB. 12.6. Endocrine disrupting properties : Assessment : Not classified as PBT or vPvB. 12.7. Other adverse effects : Other adverse effects : Other adverse effects : No known effects from this product. Effect on the ozone layer : No effect on the ozone layer.	EC50 72h - Algae [mg/l]	No data available.
Assessment : No ecological damage caused by this product. 12.3. Bioaccumulative potential . Assessment : No ecological damage caused by this product. 12.4. Mobility in soil . Assessment : No data available. Assessment : No ecological damage caused by this product. 12.5. Results of PBT and vPvB assessment : No ecological damage caused by this product. 12.5. Results of PBT and vPvB assessment : No ecological damage caused by this product. 12.5. Results of PBT and vPvB assessment : Not classified as PBT or vPvB. 12.6. Endocrine disrupting properties . Assessment : Not classified as PBT or vPvB. 12.6. Endocrine disrupting properties . Assessment : Not classified as PBT or vPvB. 12.7. Other adverse effects . Dther adverse effects : No known effects from this product. Effect on the ozone layer : No effect on the ozone layer.	LC50 96 h - Fish [mg/l]	No data available.
12.3. Bioaccumulative potential Assessment : No ecological damage caused by this product. 12.4. Mobility in soil . Assessment : No data available. Assessment : No data available. Assessment : No ecological damage caused by this product. 12.5. Results of PBT and vPvB assessment : No ecological damage caused by this product. 12.5. Results of PBT and vPvB assessment : Not classified as PBT or vPvB. 12.6. Endocrine disrupting properties . Assessment : Not classified as PBT or vPvB. 12.6. Endocrine disrupting properties . Assessment : Not classified as PBT or vPvB. 12.6. Endocrine disrupting properties . Assessment : Not classified as PBT or vPvB. 12.7. Other adverse effects . Dther adverse effects . Step con the ozone layer. .	12.2. Persistence and degradability	
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12.4. Mobility in soil No data available. Assessment No data available. Assessment No ecological damage caused by this product. 12.5. Results of PBT and vPvB assessment No ecological damage caused by this product. 12.5. Results of PBT and vPvB assessment Not classified as PBT or vPvB. Assessment Not classified as PBT or vPvB. 12.6. Endocrine disrupting properties Image: Classified as PBT or vPvB. Assessment Sessessment 12.7. Other adverse effects No known effects from this product. Other adverse effects No known effects from this product. Effect on the ozone layer No effect on the ozone layer.	12.3. Bioaccumulative potential	
Assessment : No data available. Assessment : No ecological damage caused by this product. 12.5. Results of PBT and vPvB assessment : Not classified as PBT or vPvB. 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.	Assessment :	No ecological damage caused by this product.
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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.	Assessment :	No data available.
Assessment : Not classified as PBT or vPvB. 12.6. Endocrine disrupting properties Assessment Assessment 12.7. Other adverse effects Other adverse effects Conter adverse effects : No known effects from this product. Effect on the ozone layer : No effect on the ozone layer	Assessment :	No ecological damage caused by this product.
12.6. Endocrine disrupting properties Assessment : 12.7. Other adverse effects Other adverse effects : Other adverse effects : No known effects from this product. Effect on the ozone layer : No effect on the ozone layer.	12.5. Results of PBT and vPvB assessment	
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.	Assessment :	Not classified as PBT or vPvB.
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.	12.6. Endocrine disrupting properties	
Other adverse effects : No known effects from this product. Effect on the ozone layer : No effect on the ozone layer.	Assessment :	
Effect on the ozone layer : No effect on the ozone layer.	12.7. Other adverse effects	
	Other adverse effects :	No known effects from this product.
Effect on global warming : Contains greenhouse gas(es).	Effect on the ozone layer :	No effect on the ozone layer.
	Effect on global warming :	Contains greenhouse gas(es).



6 % TO 50% HYDROGEN IN NITROGEN

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Reference number: 3344

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. Do not discharge into areas where there is a risk of forming an explosive mixture with air. Waste gas should be flared through a suitable burner with flash back arrestor. Do not discharge into any place where its accumulation could be dangerous. 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 national regulations.

SECTION 14: Transport information

14.1. UN number or ID number	
In accordance with ADR / RID / IMDG / IATA / ADN	
UN-No.	: 1954
14.2. UN proper shipping name	
Transport by road/rail (ADR/RID)	: COMPRESSED GAS, FLAMMABLE, N.O.S. (Hydrogen, Nitrogen)
Transport by air (ICAO-TI / IATA-DGR)	: Compressed gas, flammable, n.o.s. (Hydrogen, Nitrogen)
Transport by sea (IMDG)	: COMPRESSED GAS, FLAMMABLE, N.O.S. (Hydrogen, Nitrogen)
14.3. Transport hazard class(es)	
Labelling	2.1 : Flammable gases.
Transport by road/rail (ADR/RID)	
Class	: 2
Classification code	: 1F
Hazard identification number	: 23
Tunnel Restriction	: 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
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.



6 % TO 50% HYDROGEN IN NITROGEN

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Reference number: 3344

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. Ensure valve is closed and not leaking. Ensure valve outlet cap nut or plug (where provided) is correctly fitted.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulat	tions/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 Seveso Directive : 2012/18/EU (Seveso III)	 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. Covered.
National regulations	
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.



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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 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.
Terising a daine	UFI : Unique Formula Identifier.
Training advice Further information	 Ensure operators understand the flammability hazard. 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 1B	Flammable gases, Category 1B
H220	Extremely flammable gas.
H221	Flammable gas.
H280	Contains gas under pressure; may explode if heated.
Press. Gas (Comp.)	Gases under pressure : Compressed gas

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.

End of document