

ARCAL 14, ARCAL 24, ARCAL M23,

ARCAL M24

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Reference number: 300-15-003ALBNL-ARC Issue date: 20-9-2017 Revision date: 16-11-2022 Supersedes version of: 1-1-2022 Version: 2.1

Warning



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

1.1.	Product	identifier

Trade name SDS no	ARCAL 14, ARCAL 24, ARCAL M23, ARCAL M24300-15-003ALBNL-ARC
1.2. Relevant identified uses of the substance o	r mixture and uses advised against
Relevant identified uses	 Industrial and professional uses. Perform risk assessment prior to use. Contact supplier for more information on uses. Industrial and professional use for chemical analysis, calibration, (routine) quality control, laboratory use, under controlled conditions.
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 data sheet

THE NETHERLANDS:

AIR LIQUIDE BV De Witbogt 1 5652 AG Eindhoven the Netherlands-Nederland

BELGIUM:

L'AIR LIQUIDE BELGE S.A./N.V. Avenue de Bourget / Bourgetlaan 44 1130 Bruxelles-Brussel Belgium-Belgique-België

LUXEMBURG:

L'AIR LIQUIDE LUXEMBOURG S.A. ZONE P.E.D.-B.P.20 L-4801 RODANGE Luxemburg

infosafetydatasheet.albv@airliquide.com www.airliquide-benelux.com

1.4. Emergency telephone number

Emergency telephone number

: NL: +31 (0)40 250 35 03 / BE: +32 (0)2 431 72 00 / LUX: +352 50 62 63 1



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Country	Organisation/Company	Address	Emergency number	Comment
Belgium	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 1120 Bruxelles/Brussel	+32 70 245 245	Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee)
Luxembourg	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 1120 Bruxelles/Brussel	+352 8002 5500	Free telephone number with a 24/7 access. Experts answer all urgency questions on dangerous products in French, or German
Netherlands	Nationaal Vergiftigingen Informatie Centrum	Huispostnummer B.00.118 Postbus 85500 3508 GA Utrecht	+31 88 755 80 00	Only for the purpose of informing medical personnel in cases of acute intoxications

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Physical hazards Gases under pressure : Compressed gas

2.2. Label elements

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

Hazard pictograms (CLP)

Signal word (CLP) Hazard statements (CLP) Precautionary statements (CLP) - Storage

2.3. Other hazards



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

: P403 - Store in a well-ventilated place.

Asphyxiant in high concentrations.

In high concentrations CO2 causes rapid circulatory insufficiency even at normal levels of oxygen concentration. Symptoms are headache, nausea and vomiting, which may lead to unconsciousness and death.

H280

Not classified as PBT or vPvB.

The substance/mixture has no endocrine disrupting properties.



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SECTION 3: Composition/information on ingredients

3.1. Substances

Not established.

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Argon	CAS-No.: 7440-37-1 EC-No.: 231-147-0 EC Index-No.: REACH-no: *1	QS	Press. Gas (Comp.), H280
Carbon dioxide	CAS-No.: 124-38-9 EC-No.: 204-696-9 EC Index-No.: REACH-no: *1	> 0.2	Press. Gas (Liq.), H280
Oxygen	CAS-No.: 7782-44-7 EC-No.: 231-956-9 EC Index-No.: 008-001-00-8 REACH-no: *1	< 18 (<co2)< td=""><td>Ox. Gas 1, H270 Press. Gas (Comp.), H280</td></co2)<>	Ox. Gas 1, H270 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.

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 symptoms 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	: Water spray or fog. Product does not burn, use fire control measures appropriate for the surrounding fire.		
- Unsuitable extinguishing media	: Do not use water jet to extinguish.		



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5.2. Special hazards arising from the substance or mixture		
Specific hazards Hazardous combustion products	Exposure to fire may cause containers to rupture/explode.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. 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.	
	Ensure adequate air ventilation.	
	Prevent from entering sewers, basements and workpits, or any place where its	
	accumulation can be dangerous.	
	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.	
	Oxygen detectors should be used when asphyxiating gases may be released.	
	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 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	
Safe use of the product	 Do not breathe gas. Avoid release of product into work area. 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. Use only oxygen approved lubricants and oxygen approved sealings. Avoid suck back of water, acid and alkalis.
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 inc	compatibilities
	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.

7.3. Specific end use(s)

None.

Keep away from combustible materials.

Store containers in location free from fire risk and away from sources of heat and ignition.



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

EU - Indicative Occupational Exposure Limi	it (IOEL)	
Local name	Carbon dioxide	
IOEL TWA	9000 mg/m³	
IOEL TWA [ppm]	5000 ppm	
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC	
Belgium - Occupational Exposure Limits		
Local name	Carbone (dioxyde de) # Koolstofdioxide	
OEL TWA	9131 mg/m³	
OEL TWA [ppm]	5000 ppm	
OEL STEL	54784 mg/m³	
OEL STEL [ppm]	30000 ppm	
Remark	A: la mention "A" signifie que l'agent libère un gaz ou une vapeur qui n'ont en eux-mêmes aucun effet physiologique mais peuvent diminuer le taux d'oxygène dans l'air. Lorsque le taux d'oxygène descend en dessous de 17 18 % (vol/vol) le manque d'oxygène provoque des suffocations qu'aucun symptôme préalable n'annonce. # A: de vermelding "A" betekent dat dit agens gas of damp vrijgeeft dat of die op zich geen fysiologische werking heeft, maar het zuurstofgehalte in de lucht verlaagt. Wanneer het zuurstofgehalte daalt onder de 17-18 % (vol/vol), veroorzaakt het zuurstoftekort verstikking, die zich manifesteert zonder dat er een waarschuwing aan voorafgaat.	
Regulatory reference	Koninklijk besluit/Arrêté royal 19/11/2020	
Luxembourg - Occupational Exposure Limi	ts	
Local name	Dioxyde de carbone	
OEL TWA	9000 mg/m³	
OEL TWA [ppm]	5000 ppm	
Regulatory reference	Mémorial A Nº 684 de 2018 concernant la protection de la sécurité et de la santé des salariés contre les risques liés à des agents chimiques sur le lieu de travail	
Netherlands - Occupational Exposure Limit	s	
Local name	Kooldioxide	
TGG-8u (OEL TWA)	9000 mg/m³	
Regulatory reference	Arbeidsomstandighedenregeling 2021	

- PNEC (Predicted No-Effect Concentration)
- : None available.



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8.2. Exposure controls

8.2.1. Appropriate engineering controls	
	Provide adequate general and local exhaust ventilation. Systems under pressure should be regularily checked for leakages. Ensure exposure is below occupational exposure limits (where available). Oxygen detectors should be used when asphyxiating 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. persor	nal 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 safety glasses with side shields. 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	 Wear safety shoes while handling containers. Standard EN ISO 20345 - Personal protective equipment - Safety footwear.
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. Standard EN 137 - Self-contained open-circuit compressed air breathing apparatus with full face mask. When indicated by a risk assessment, Respiratory Protective Equipment must be used. The selection of the Respiratory Protective Device (RPD) must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected RPD. Gas filters do not protect against oxygen deficiency. Self contained breathing apparatus (SCBA) or positive pressure airline with mask are to be used in oxygen-deficient atmospheres. Standard EN 14387 - Gas filter(s), combined filter(s) and standard EN136, full face masks . 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

None necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state at 20°C / 101.3kPa : Gas.	
- Colour : Colourless.	
Odour : Odourless.	
Odour threshold is subjective and inadequate to warn of overexposure.	
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: Argon -186 °C	
Flammability : Non flammable.	
Lower explosion limit : Not available	
Upper explosion limit : Not available	
Flash point : Not applicable for gases and gas mixtures.	
Auto-ignition temperature : Non flammable.	



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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) Particle characteristics	 Not applicable. Not applicable for gases and gas mixtures. No reliable data available. Mixture is partially soluble in water Not applicable for gas mixtures. Not applicable. Not applicable. Not applicable. Heavier than air. Not applicable for gases and gas mixtures.
 <u>9.2. Other information</u> <u>9.2.1. Information with regard to physical hazar</u> Explosive properties Explosion limits Oxidising properties 	d classes : Not applicable. : Non flammable. : 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	: 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-sections below. Data for mixtures are not available. This mixture contains components with the following reactivity : Violently oxidises organic material.
<u>10.2. Chemical stability</u>	
	Stable under normal conditions.
10.3. Possibility of hazardous reactions	
	None.
10.4. Conditions to avoid	
	None under recommended storage and handling conditions (see section 7). Avoid moisture in installation systems.
10.5. Incompatible materials	
	None. 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.



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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 a not exceeded. Unlike simple asphyxiants, carbon dioxide has the ability to cause death even when norm oxygen levels (20-21%) are maintained. 5% CO2 has been found to act synergistically to increase the toxicity of certain other gases (CO, NO2). CO2 has been shown to enhance the production of carboxy- or met-hemoglobin by these gases possibly due to carbon dioxide's stimulatory effects on the respiratory and circulatory systems. For more information, see 'EIGA Safety Info 24: Carbon Dioxide, Physiological Hazards' a www.eiga.eu. 	
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.	
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		
Other information	 For more information, see 'EIGA Safety Info 24: Carbon Dioxide, Physiological Hazards' at www.eiga.eu. Unlike simple asphyxiants, carbon dioxide has the ability to cause death even when normal oxygen levels (20-21%) are maintained. 5% CO2 has been found to act synergistically to increase the toxicity of certain other gases (CO, NO2). CO2 has been shown to enhance the production of carboxy- or met-hemoglobin by these gases possibly due to carbon dioxide's stimulatory effects on the respiratory and circulatory systems. 	

The substance/mixture has no endocrine disrupting properties.

SECTION 12: Ecological information

12.1. Toxicity

Assessment	: No ecological damage caused by this product.
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.

Argon (7440-37-1)	
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.

Carbon dioxide (124-38-9)	
EC50 48h - Daphnia magna [mg/l]	No data available.
EC50 72h - Algae [mg/l]	No data available.



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Carbon dioxide (124-38-9)			
LC50 96 h - Fish [mg/l]	No data available.		
Oxygen (7782-44-7)			
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.		
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>			
	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 :	: The substance/mixture has no endocrine disrupting properties.		
12.7. Other adverse effects			
Effect on the ozone layer :	 No known effects from this product. None. Contains greenhouse gas(es). 		

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	 May be vented to atmosphere in a well ventilated place. Do not discharge into any place where its accumulation could be dangerous. Return unused product in original container to supplier. 16 05 05 : Gases in pressure containers other than those mentioned in 16 05 04.
	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. : 1956



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14.2. UN proper shipping name

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

- : COMPRESSED GAS, N.O.S. (Argon, Carbon dioxide)
- : Compressed gas, n.o.s. (Argon, Carbon dioxide)
- : COMPRESSED GAS, N.O.S. (Argon, Carbon dioxide)

14.3. Transport hazard class(es)

Labelling

Transport by road/rail (ADR/RID)

Class Classification code Hazard identification number Tunnel Restriction

Transport by air (ICAO-TI / IATA-DGR) Class / Div. (Sub. risk(s))

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

- 2.2 : Non-flammable, non-toxic gases. : 2 : 1A : 20 : E - Passage forbidden through tunnels of category E : 2.2 : 2.2 : F-C : S-V : Not applicable. : Not applicable. : Not applicable. : None. None. · None. : P200. : 200. 200. : : 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.



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SECTION 15: Regulatory information

ons/legislation specific for the substance or mixture
: None.
Contains no substance(s) listed on the REACH Candidate List.
: Ensure all national/local regulations are observed.
Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals).
Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants).
: Not covered.
: Ensure all national/local regulations are observed.
A CSA does not need to be carried out for this product.

SECTION 16: Other information

Indication of changes

: Revised safety data sheet in accordance with commission regulation (EU) No 453/2010.

Section	Changed item	Change	Comments
	Endocrine disrupting properties	Added	
	Particle characteristics	Added	
	Reference number	Added	
	Relevant identified uses	Modified	
	Uses advised against	Modified	
1.3	Address Information	Modified	
1.4	Emergency number	Modified	
1.4	Emergency number	Modified	NVIC
2.3	Other hazards which do not result in classification	Modified	
3	Composition/information on ingredients	Modified	
5.1	Suitable extinguishing media	Modified	
6.1	Emergency procedures	Added	
6.1	Emergency procedures	Added	
8.2	Respiratory protection	Modified	
10.1	Reactivity	Modified	
11.1	Other information	Added	
14.7	IBC code	Added	
15.1	Regulatory reference	Added	
16	Abbreviations and acronyms	Modified	
16	Training advice	Modified	



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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 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 Road. IXTA - International Maritime Dangerous Goods. RID - Regulations concerning the International Carriage of Dangerous Goods by Road. IXTA - International Maritime Dangerous Goods. RID - Regulations concerning the International Carriage of Dangerous Goods by Road. IXTA - International Maritime Dangerous Goods. RID - Regulations concerning the International Carriage of Dangerous Goods by Road. IXTG - RE : Specific Target Organ Toxicity - Repeated Exposure. UFI : Unique Formula Identifier.
Training advice	 The hazard of asphyxiation is often overlooked and must be stressed during operator training. For more guidance, refer to EIGA SL 01 "Dangers of Asphyxiation", downloadable at
Further information	 http://www.eiga.eu 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	
H270	May cause or intensify fire; oxidiser.
H280	Contains gas under pressure; may explode if heated.
Ox. Gas 1	Oxidising Gases, Category 1
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Press. Gas (Liq.)	Gases under pressure : Liquefied 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 init

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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