

Vasokinox**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name :

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified 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****Company identification****Supplier**

AIR LIQUIDE GAS AB

Lundavägen 151

212 09 Malmö - SWEDEN

T +46 40 38 10 00

info.sweden@airliquide.com

E-Mail address (competent person) : eunordic-sds@airliquide.com

1.4. Emergency telephone numberEmergency telephone number : 112
Availability
(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 Gases under pressure : Compressed gas H280

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS04

Signal word (CLP) : Warning
Hazard statements (CLP) : H280 - Contains gas under pressure; may explode if heated.
Precautionary statements (CLP)
- Storage : P403 - Store in a well-ventilated place.**2.3. Other hazards**Asphyxiant in high concentrations.
Not classified as PBT or vPvB.
The substance/mixture has no endocrine disrupting properties.

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

3.1. Substances Not established.

3.2. Mixtures

Name	Product identifier	Composition [V-%]:	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	99.92	Press. Gas (Comp.), H280
Nitric oxide	CAS-No.: 10102-43-9 EC-No.: 233-271-0 EC Index-No.: --- REACH-no: *2	0.08	Ox. Gas 1, H270 Press. Gas (Comp.), H280 Acute Tox. 1 (Inhalation:gas), H330 Skin Corr. 1B, H314 Eye Dam. 1, H318

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 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.

5.2. Special hazards arising from the substance or mixture

- Specific hazards : Exposure to fire may cause containers to rupture/explode.
- Hazardous combustion products : Nitric oxide/nitrogen dioxide.

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5.3. Advice for firefighters

Specific methods	<ul style="list-style-type: none"> : 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	<ul style="list-style-type: none"> : 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	<ul style="list-style-type: none"> : Act in accordance with local emergency plan. Try to stop release. Evacuate area. Ensure adequate air ventilation. Stay upwind. See section 8 of the SDS for more information on personal protective equipment
For emergency responders	<ul style="list-style-type: none"> : 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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Safe use of the product	<ul style="list-style-type: none"> : 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 regularly) 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.
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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 incompatibilities

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.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Nitric oxide (10102-43-9)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Nitrogen monoxide
IOEL TWA	2.5 mg/m ³
IOEL TWA [ppm]	2 ppm
Remark	SCOEL Recommendations (2014)
Austria - Occupational Exposure Limits	
Local name	Stickstoffmonoxid
MAK (mg/m ³)	30 mg/m ³
MAK (OEL TWA) [ppm]	25 ppm

Vasokinox**Belgium - Occupational Exposure Limits**

Local name	Azote (oxyde d') # Stikstofmonoxide
OEL TWA	31 mg/m ³
OEL TWA [ppm]	25 ppm

Bulgaria - Occupational Exposure Limits

Local name	Азотен оксид
OEL TWA	20 mg/m ³
Remark	• (Химични агенти, за които са определени гранични стойности във въздуха на работната среда за Европейската общност)

Croatia - Occupational Exposure Limits

Local name	Dušikov monoksid
GVI (OEL TWA) [1]	30 mg/m ³
GVI (OEL TWA) [2]	25 ppm
Remark	EU

Czech Republic - Occupational Exposure Limits

Local name	Nitrosní plyny (Nox), oxidy dusíku
PEL (OEL TWA)	10 mg/m ³
NPK-P (OEL C)	20 mg/m ³

Denmark - Occupational Exposure Limits

Local name	Nitrogenoxid (Nitrøse gasser)
OEL TWA [1]	30 mg/m ³
OEL TWA [2]	25 ppm

Estonia - Occupational Exposure Limits

Local name	Lämmastikoksiid
OEL TWA	30 mg/m ³
OEL TWA [ppm]	25 ppm
OEL STEL	60 mg/m ³
OEL STEL [ppm]	50 ppm

Finland - Occupational Exposure Limits

Local name	Typpioksiidi
HTP (OEL TWA) [1]	31 mg/m ³
HTP (OEL TWA) [2]	25 ppm

France - Occupational Exposure Limits

Local name	Azote (oxyde d')
VME (OEL TWA)	30 mg/m ³
VME (OEL TWA) [ppm]	25 ppm

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Remark	Valeurs recommandées/admises
Greece - Occupational Exposure Limits	
OEL TWA	30 mg/m ³
OEL TWA [ppm]	25 ppm
Hungary - Occupational Exposure Limits	
Local name	NITROGÉN-MONOXID
AK (OEL TWA)	30 mg/m ³
Ireland - Occupational Exposure Limits	
Local name	Nitric oxide
OEL TWA [1]	30 mg/m ³
OEL TWA [2]	25 ppm
OEL STEL	45 mg/m ³
OEL STEL [ppm]	35 ppm
Latvia - Occupational Exposure Limits	
Local name	Slāpekļamonoksīds
OEL TWA	30 mg/m ³
OEL TWA [ppm]	25 ppm
Lithuania - Occupational Exposure Limits	
Local name	Azoto oksidas
IPRV (OEL TWA)	30 mg/m ³
IPRV (OEL TWA) [ppm]	25 ppm
TPRV (OEL STEL)	60 mg/m ³
TPRV (OEL STEL) [ppm]	50 ppm
Malta - Occupational Exposure Limits	
Local name	Nitrogen monoxide
OEL TWA	30 mg/m ³
OEL TWA [ppm]	25 ppm
Netherlands - Occupational Exposure Limits	
Local name	Stikstofmonoxide
TGG-8u (OEL TWA)	0.25 mg/m ³
Poland - Occupational Exposure Limits	
Local name	Tlenek azotu
NDS (OEL TWA)	3.5 mg/m ³
NDSch (OEL STEL)	7 mg/m ³

Vasokinox**Portugal - Occupational Exposure Limits**

Local name	Óxido nítrico
OEL TWA [ppm]	25 ppm

Romania - Occupational Exposure Limits

Local name	Monoxid de azot
OEL TWA	30 mg/m ³
OEL TWA [ppm]	24 ppm

Slovakia - Occupational Exposure Limits

NPHV (OEL TWA) [1]	30 mg/m ³
NPHV (OEL TWA) [2]	25 ppm

Slovenia - Occupational Exposure Limits

Local name	dušikov monoksid
OEL TWA	30 mg/m ³
OEL TWA [ppm]	25 ppm

Spain - Occupational Exposure Limits

Local name	Monóxido de nitrógeno
VLA-ED (OEL TWA) [1]	31 mg/m ³
VLA-ED (OEL TWA) [2]	25 ppm

Remark	VLBm (Agente químico al que se aplica el Valor Límite Biológico de los inductores de la metahemoglobina), VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su transposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país).
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Sweden - Occupational Exposure Limits

Local name	Kväveoxid
NGV (OEL TWA)	30 mg/m ³
NGV (OEL TWA) [ppm]	25 ppm
KTV (OEL STEL)	60 mg/m ³
KTV (OEL STEL) [ppm]	50 ppm

Iceland - Occupational Exposure Limits

Local name	Köfnunarefnisoxíð
OEL TWA	30 mg/m ³
OEL TWA [ppm]	25 ppm

Norway - Occupational Exposure Limits

Local name	Nitrogenoksid
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Grenseverdi (OEL TWA) [1]	30 mg/m ³
Grenseverdi (OEL TWA) [2]	25 ppm
Switzerland - Occupational Exposure Limits	
Local name	Stickstoffmonoxid
MAK (OEL TWA) [1]	30 mg/m ³
MAK (OEL TWA) [2]	25 ppm
Remark	NiHb, OAW - DFG, NIOSH
USA - ACGIH - Occupational Exposure Limits	
Local name	Nitric oxide
ACGIH OEL TWA [ppm]	25 ppm
Remark (ACGIH)	Hypoxia/cyanosis; nitrosyl-Hb form

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.
 Systems under pressure should be regularly 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. 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 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 : 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.
Recommended: Filter NO (blue).
Gas filters do not protect against oxygen deficiency.
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.

Vasokinox**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	: Mixture contains one or more component(s) which have the following colour(s): Brownish gas Colourless
Odour	: Odourless. Odour threshold is subjective and inadequate to warn of overexposure.
pH	: Not applicable for gases and gas mixtures.
Melting point / Freezing point	: Not applicable for gases and gas mixtures.
Boiling point	: Not applicable for gas mixtures.
Flash point	: Not applicable for gases and gas mixtures.
Flammability	: Non flammable.
Explosive limits	: Non flammable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Vapour pressure [20°C]	: Not applicable.
Vapour pressure [50°C]	: Not applicable.
Density	: Not applicable
Vapour density	: Not applicable for gases and gas mixtures.
Relative density, liquid (water=1)	: Not applicable
Relative density, gas (air=1)	: Lighter or similar to air.
Water solubility	: Solubility in water of component(s) of the mixture : • Nitric oxide: 67 mg/l • Nitrogen: 20 mg/l
Partition coefficient n-octanol/water (Log Kow)	: Not applicable for gas mixtures.
Auto-ignition temperature	: Non flammable.
Decomposition temperature	: Not applicable.
Viscosity, kinematic	: Not applicable for gases and gas mixtures.
Particle characteristics	: Not applicable for gases and gas mixtures.

9.2. Other information**9.2.1. Information with regard to physical hazard classes**

Oxidising properties : No oxidising properties.

9.2.2. Other safety characteristics

Other data : None.

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

None under normal use.


Reactivity : This mixture contains components with the following reactivity : Violently oxidises organic material.

10.4. Conditions to avoid

Avoid moisture in installation systems.

10.5. Incompatible materials

For additional information on compatibility refer to ISO 11114.

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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 : Classification criteria are not met.

Nitric oxide (10102-43-9)

LC50 Inhalation - Rat [ppm]	57.5 ppm/4h
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Skin corrosion/irritation : Classification criteria are not met.
Serious eye damage/irritation : Classification criteria are not met.
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 : 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.

12.2. Persistence and degradability

Assessment : No data available.

12.3. Bioaccumulative potential

Assessment : No data available.

12.4. Mobility in soil

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

The substance/mixture has no endocrine disrupting properties.

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.

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Effect on global warming : No known effects from this product.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

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.

List of hazardous waste codes (from Commission Decision 2000/532/EC as amended) : 16 05 05 : Gases in pressure containers other than those mentioned in 16 05 04.

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. : 1956**14.2. UN proper shipping name**

Transport by road/rail (ADR/RID) : COMPRESSED GAS, N.O.S. (Nitrogen, Nitric oxide)
Transport by air (ICAO-TI / IATA-DGR) : Compressed gas, n.o.s. (Nitrogen, Nitric oxide)
Transport by sea (IMDG) : COMPRESSED GAS, N.O.S. (Nitrogen, Nitric oxide)

14.3. Transport hazard class(es)**Labelling**

2.2 : Non-flammable, non-toxic gases.

Transport by road/rail (ADR/RID)

Class : 2
Classification code : 1A
Hazard identification number : 20
Tunnel Restriction : E - Passage forbidden through tunnels of category E

Transport by air (ICAO-TI / IATA-DGR)

Class / Div. (Sub. risk(s)) : 2.2

Transport by sea (IMDG)


Class / Div. (Sub. risk(s)) : 2.2
Emergency Schedule (EmS) - Fire : F-C
Emergency Schedule (EmS) - Spillage : S-V

14.4. Packing group

Transport by road/rail (ADR/RID) : Not established.
Transport by air (ICAO-TI / IATA-DGR) : Not established.
Transport by sea (IMDG) : Not established.

14.5. Environmental hazards

Transport by road/rail (ADR/RID) : None.
Transport by air (ICAO-TI / IATA-DGR) : None.
Transport by sea (IMDG) : None.

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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 : 200.
 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.
 - Ensure valve protection device (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 regulations/legislation specific for the substance or mixture

EU-Regulations

Restrictions on use : Contains no substance(s) listed on the REACH Candidate List
 Seveso Directive : 2012/18/EU (Seveso III) : Not covered.

National regulations

Ensure all national/local regulations are observed.

Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)
 Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)
 Water hazard class (WGK) : WGK nwg, Non-hazardous to water (Classification according to AwSV, Annex 1)
 National Rules and Recommendations : [German regulations] BetriebssicherheitsV mit TRBSen insbesondere TRBS 3145 / TRGS 725 Ortsbewegliche Druckgasbehälter", TRBS 2141, BGR Regel 500 Teil 2.33: "Umgang mit Gasen", GefahrstoffV mit Technischen Regeln Gefährliche Stoffe TRGS insbesondere TRGS 407 "Tätigkeiten mit Gasen - Gefährdungsbeurteilung", TRGS 400, 500, 510, 900."

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed
 SZW-lijst van mutagene stoffen : None of the components are listed
 SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed
 SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed
 SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

Switzerland

Storage class (LK) : LK 2 - Liquefied or pressurized gases

15.2. Chemical safety assessment


A CSA does not need to be carried out for this product.

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SECTION 16: Other information

Indication of changes	: Safety data sheet in accordance with commission regulation (EU) No 2020/878.
Abbreviations and acronyms	: <ul style="list-style-type: none"> 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	: <ul style="list-style-type: none"> 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 http://www.eiga.eu.
Further information	: <ul style="list-style-type: none"> 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	
Acute Tox. 1 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H270	May cause or intensify fire; oxidiser.
H280	Contains gas under pressure; may explode if heated.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
Ox. Gas 1	Oxidising Gases, Category 1
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B

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: 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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