Air Liquide

SAFETY DATA SHEET

Page : 1/10 Revised edition no : 5.0

Revision date : 2023-01-20 Supersedes version of : 2021-06-16

Nitrogen (refrigerated)

NOAL_0089B Country : DK / Language : EN

1.1. Product identifier	
Trade name	 Nitrogen (refrigerated), Aligal 1 Liquid, Aligal Drink 1 Liquid, Aligal Freeze 1 Liquid, Alphagaz 1 Nitrogen LGC, Lasal 1 Liquid, Medical Nitrogen Liquid, Lasal 2001 Liquid, Nitrogen LGC, Nitrogen HG Liquid, Phargalis 1 Liquid
SDS no	: NOAL_0089B
Other means of identification	: Nitrogen (refrigerated)
	CAS-No. : 7727-37-9
	EC-No. : 231-783-9
	EC Index-No. :
REACH registration No	: Listed in Annex IV / V REACH, exempted from registration.
Chemical formula	: N2
1.2. Relevant identified uses of the subst	ance or mixture and uses advised against
Relevant identified uses	: Industrial and professional uses. Perform risk assessment prior to use.
	Test gas/Calibration gas.
	Laboratory use.
	Purge gas, diluting gas, inerting gas.
	Use for manufacture of electronic/photovoltaic components.
	Shield gas for welding processes.
	Food applications.
	Contact supplier for more information on uses.
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 d	ata sheet
Company identification	
Supplier	
AIR LIQUIDE Denmark A/S	
Høje Taastrupvej 42 2630 Taastrup - DENMARK	
T +45 76 25 25 25	
info.denmark@airliquide.com	
E-Mail address (competent person)	: eunordic-sds@airliquide.com
1.4. Emergency telephone number	
Emergency telephone number	: 112
	(24 / 7) Availability

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 : Refrigerated liquefied gas

H281



Page : 2/10 Revised edition no : 5.0

Revision date : 2023-01-20

Supersedes version of : 2021-06-16

Nitrogen (refrigerated)

NOAL_0089B Country : DK / Language : EN

2.2. Label elements

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

Hazard pictograms (CLP)	
Circle of the stand (CLD)	GHS04
Signal word (CLP)	: Warning
Hazard statements (CLP)	: H281 - Contains refrigerated gas; may cause cryogenic burns or injury.
Precautionary statements (CLP)	
- Prevention	 P282 - Wear cold insulating gloves and either face shield or eye protection. cold insulating gloves, face shield, eye protection. P282 - Wear cold insulating gloves and either face shield or eye protection.
- Response	 P336+P315 - Thaw frosted parts with lukewarm water. Do not rub affected area. Get immediate medical advice. P336+P315 - Thaw frosted parts with lukewarm water. Do not rub affected area. Get immediate medical advice/attention.
- 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.

SECTION 3: Composition/information on ingredients

3.1. Substances

Name	Product identifier	Composition [V- %]:	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Nitrogen (refrigerated)	CAS-No.: 7727-37-9 EC-No.: 231-783-9 EC Index-No.: REACH registration No: *1	100	Press. Gas (Ref. Liq.), H281

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

Not established.

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

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

3.2. Mixtures

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 : 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.



Page : 3/10

Revised edition no : 5.0

Revision date : 2023-01-20 Supersedes version of : 2021-06-16

Nitrogen (refrigerated)

NOAL_0089B Country : DK / Language : EN

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 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. If leaking do not spray water onto container. Water surrounding area (from protected position) to contain 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.		
	Ensure adequate air ventilation.		
	Use protective clothing.		
	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.		
	Liquid spillages can cause embrittlement of structural materials.		



Page : 4/10

Revised edition no : 5.0

Revision date : 2023-01-20 Supersedes version of : 2021-06-16

NOAL_0089B Country : DK / Language : EN

Nitrogen (refrigerated)

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	 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.
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 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	g 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)	

7.3. Specific end use(s)

None.

Q	Air	Lig	uide	Ś

Page : 5/10

Revised edition no : 5.0

Revision date : 2023-01-20 Supersedes version of : 2021-06-16

Nitrogen (refrigerated)

NOAL_0089B Country : DK / Language : EN

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. Systems under pressure should be regularily checked for leakages. 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. pe	ersonal protective equipment
	A risk assessment should be conducted and documented in each work area to assess the risks related to the use of the product and to select the PPE that matches the relevant risk. The following recommendations should be considered: PPE compliant to the recommended EN/ISO standards should be selected.
Eye/face protection	: Wear goggles and a face shield when transfilling or breaking transfer connections. Standard EN 166 - Personal eye-protection - specifications.
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	: 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. Self contained breathing apparatus (SCBA) or positive pressure airline with mask are to be used in oxygen-deficient atmospheres. 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

Appearance	
- Physical state at 20°C / 101.3kPa	: Gas
- Colour	: Colourless liquid.
Odour	: No odour warning properties.
	Odour threshold is subjective and inadequate to warn of overexposure.
pH	: Not applicable for gases and gas mixtures.
Melting point / Freezing point	: -210 °C
	-210 °C
Boiling point	: -196 °C
Flash point	: Not applicable for gases and gas mixtures.
Flammability	: Non flammable.
Explosive limits	: Non flammable.
Lower explosion limit	: Not available

Air Liquide

SAFETY DATA SHEET

Page : 6/10

Revised edition no : 5.0 Revision date : 2023-01-20

Supersedes version of : 2021-06-16

Nitrogon (refrigerated)

Nitrogen (refrigerated)		NOAL_0089B	
e e e		Country : DK / Language : EN	
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)	: 0.8		
Relative density, gas (air=1)	: 0.97		
Water solubility	: 20 mg/l		
Partition coefficient n-octanol/water (Log Kow)	: Not applicable for inorganic products.		
Auto-ignition temperature	: Non flammable.		
Decomposition temperature	: Not applicable.		
Viscosity, kinematic	: No reliable data available.		
Particle characteristics	: Not applicable for gases and gas mixtures.		

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Explosive properties	: Not applicable.
Oxidising properties	: Not applicable.
Critical temperature [°C]	: -147 °C
9.2.2. Other safety characteristics	
Molar mass	: 28 g/mol
Evaporation rate	: Not applicable for gases and gas mixtures.
Gas group	: Press. Gas (Ref. Liq.)

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. Reactivity : 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 For additional information on compatibility refer to ISO 11114. 10.6. Hazardous decomposition products None.

SECTION 11: Toxicological information 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 : No toxicological effects from this product. Acute toxicity : No known effects from this product. 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 ENECTS NOM

Air Liquide

SAFETY DATA SHEET

Page : 7/10 Revised edition no : 5.0

Revision date : 2023-01-20

Supersedes version of : 2021-06-16

NOAL 0089B

Nitrogen (refrigerated)

J		
		Country : DK / Language : EN
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 ecological damage caused by this product.
12.3. Bioaccumulative potential	
Assessment	: No data available.
<u>12.4. Mobility in soil</u>	
Assessment	: Because of its high volatility, the product is unlikely to cause ground or water pollution. Partition into soil is unlikely.
12.5. Results of PBT and vPvB assessment	
Assessment	: No data available.
	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	: Can cause frost damage to vegetation.
Effect on the ozone layer	: None.
Effect on global warming	: None.

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.

	٥i	rlic	quic	10
U	HII		quic	le

Page : 8/10

Revised edition no : 5.0

Revision date : 2023-01-20 Supersedes version of : 2021-06-16

Nitrogen (refrigerated)

: 1977

NOAL 0089B Country : DK / Language : EN

SECTION 14: Transport information

14.1. UN number or ID number

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

14.2. UN proper shipping name

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

14.3. Transport hazard class(es)



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)	: P
Transport by air (ICAO-TI / IATA-DGR)	
Passenger and Cargo Aircraft	: 2
Cargo Aircraft only	: 2
Transport by sea (IMDG)	: P

:	2	

2.2 : Non-flammable, non-toxic gases.

: NITROGEN, REFRIGERATED LIQUID

: NITROGEN, REFRIGERATED LIQUID

: Nitrogen, refrigerated liquid

: 2

:

ЗA

: 22

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

- : S-V
- : Not established.
- : Not established.
- : None.
- :

P203 202. 202 P203

: 2.2 : 2.2

: F-C

- : Not established.

- : None.
- None.

Air Liquide	SAFETY DATA SHEET	Page : 9/10 Revised edition no : 5.0
		Revision date : 2023-01-20
		Supersedes version of : 2021-06-
Nitrogen (refrigerated)		NOAL_0089B
		Country : DK / Language : EN
Special transport precautions	 Avoid transport on vehicles where the load space is compartment. Ensure vehicle driver is aware of the potential hazar 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 provide outlet) is 	rds of the load and knows what to do in ed) is correctly fitted.
14.7. Maritime transport in bulk according	to IMO instruments	
	Not applicable.	
SECTION 15: Regulatory informat	tion	
15.1. Safety, health and environmental reg	tion gulations/legislation specific for the substance or mixture	
15.1. Safety, health and environmental reg EU-Regulations	gulations/legislation specific for the substance or mixture	
15.1. Safety, health and environmental reg EU-Regulations Restrictions on use	gulations/legislation specific for the substance or mixture : None.	
15.1. Safety, health and environmental reg EU-Regulations Restrictions on use National legislation	gulations/legislation specific for the substance or mixture	
15.1. Safety, health and environmental reg EU-Regulations Restrictions on use National legislation Seveso Directive : 2012/18/EU (Seveso III)	gulations/legislation specific for the substance or mixture : None. : Ensure all national/local regulations are observed.	
15.1. Safety, health and environmental reg EU-Regulations Restrictions on use National legislation Seveso Directive : 2012/18/EU (Seveso III) National regulations	gulations/legislation specific for the substance or mixture : None. : Ensure all national/local regulations are observed. : Not covered.	
SECTION 15: Regulatory informat 15.1. Safety, health and environmental reg EU-Regulations Restrictions on use National legislation Seveso Directive : 2012/18/EU (Seveso III) National regulations Ensure all national/local regulations are obser Germany	gulations/legislation specific for the substance or mixture : None. : Ensure all national/local regulations are observed. : Not covered.	
15.1. Safety, health and environmental reg EU-Regulations Restrictions on use National legislation Seveso Directive : 2012/18/EU (Seveso III) National regulations Ensure all national/local regulations are observed	gulations/legislation specific for the substance or mixture : None. : Ensure all national/local regulations are observed. : Not covered.	Sen insbesondere TRBS 3145 / TRGS 1, BGRegel 500 Teil 2.33: "Umgang m ahrliche Stoffe TRGS insbesondere
15.1. Safety, health and environmental reg EU-Regulations Restrictions on use National legislation Seveso Directive : 2012/18/EU (Seveso III) National regulations Ensure all national/local regulations are obser Germany Water hazard class (WGK) National Rules and Recommendations	 gulations/legislation specific for the substance or mixture None. Ensure all national/local regulations are observed. Not covered. rved. WGK nwg, Non-hazardous to water (Classification at Classification at Classification at Classifications) BetriebssicherheitsV mit TRB3 725 Ortsbewegliche Druckgasbehälter", TRBS 2142 Gasen", GefahrstoffV mit Technischen Regeln Gefär 	Sen insbesondere TRBS 3145 / TRGS 1, BGRegel 500 Teil 2.33: "Umgang m ahrliche Stoffe TRGS insbesondere
15.1. Safety, health and environmental reg EU-Regulations Restrictions on use National legislation Seveso Directive : 2012/18/EU (Seveso III) National regulations Ensure all national/local regulations are obser Germany Water hazard class (WGK) National Rules and Recommendations Netherlands SZW-lijst van kankerverwekkende stoffen	gulations/legislation specific for the substance or mixture : None. : Ensure all national/local regulations are observed. : Not covered. rved. : [German regulations] BetriebssicherheitsV mit TRB: 725 Ortsbewegliche Druckgasbehälter", TRBS 2147 Gasen", GefahrstoffV mit Technischen Regeln Gefä TRGS 407 "Tätigkeiten mit Gasen - Gefährdungsbe : The substance is not listed	Sen insbesondere TRBS 3145 / TRGS 1, BGRegel 500 Teil 2.33: "Umgang m ahrliche Stoffe TRGS insbesondere
15.1. Safety, health and environmental reg EU-Regulations Restrictions on use National legislation Seveso Directive : 2012/18/EU (Seveso III) National regulations Ensure all national/local regulations are obser Germany Water hazard class (WGK) National Rules and Recommendations National Rules and Recommendations	gulations/legislation specific for the substance or mixture : None. : Ensure all national/local regulations are observed. : Not covered. rved. : [German regulations] BetriebssicherheitsV mit TRB: 725 Ortsbewegliche Druckgasbehälter", TRBS 2147 Gasen", GefahrstoffV mit Technischen Regeln Gefä TRGS 407 "Tätigkeiten mit Gasen - Gefährdungsbe : The substance is not listed : The substance is not listed	Sen insbesondere TRBS 3145 / TRGS 1, BGRegel 500 Teil 2.33: "Umgang m ahrliche Stoffe TRGS insbesondere
15.1. Safety, health and environmental reg EU-Regulations Restrictions on use National legislation Seveso Directive : 2012/18/EU (Seveso III) National regulations Ensure all national/local regulations are obser Germany Water hazard class (WGK) National Rules and Recommendations SZW-lijst van kankerverwekkende stoffen SZW-lijst van mutagene stoffen SZW-lijst van reprotoxische stoffen – Borstvo SZW-lijst van reprotoxische stoffen –	gulations/legislation specific for the substance or mixture : None. : Ensure all national/local regulations are observed. : Not covered. rved. : [German regulations] BetriebssicherheitsV mit TRB: 725 Ortsbewegliche Druckgasbehälter", TRBS 2147 Gasen", GefahrstoffV mit Technischen Regeln Gefä TRGS 407 "Tätigkeiten mit Gasen - Gefährdungsbe : The substance is not listed : The substance is not listed	Sen insbesondere TRBS 3145 / TRGS 1, BGRegel 500 Teil 2.33: "Umgang m ahrliche Stoffe TRGS insbesondere
15.1. Safety, health and environmental reg EU-Regulations Restrictions on use National legislation Seveso Directive : 2012/18/EU (Seveso III) National regulations Ensure all national/local regulations are obser Germany Water hazard class (WGK)	 gulations/legislation specific for the substance or mixture None. Ensure all national/local regulations are observed. Not covered. rved. WGK nwg, Non-hazardous to water (Classification a [German regulations] BetriebssicherheitsV mit TRB: 725 Ortsbewegliche Druckgasbehälter", TRBS 2142 Gasen", GefahrstoffV mit Technischen Regeln Gefä TRGS 407 "Tätigkeiten mit Gasen - Gefährdungsbe The substance is not listed 	Sen insbesondere TRBS 3145 / TRGS 1, BGRegel 500 Teil 2.33: "Umgang m ahrliche Stoffe TRGS insbesondere

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.

	SAFETY DATA SHEET	Page : 10/10	
Air Liquide		Revised edition no : 5.0	
		Revision date : 2023-01-20	
		Supersedes version of : 2021-06-16	
Nitrogen (refrigerated)		NOAL_0089B	
	- <u>-</u>	Country : DK / Language : EN	
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	 The hazard of asphyxiation is often overlooked and r training. 	ust be stressed during operator	
	For more guidance, refer to EIGA SL 01 "Dangers of Asphyxiation", downloadable at		
		• •	

Further information

http://www.eiga.eu..
Classification in accordance with the procedures and calculation methods of Regulation (EC) 1272/2008 (CLP).
Key literature references and sources of data are maintained in EIGA doc 169 :
'Classification and Labelling Guide', downloadable at http://www.Eiga.eu .

 Full text of H- and EUH-statements

 H281
 Contains refrigerated gas; may cause cryogenic burns or injury.

 Press. Gas (Ref. Liq.)
 Gases under pressure : Refrigerated 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 injury or damage resulting from its use can be accepted.

End of document