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Revision date : 2023-01-20

Supersedes version of : 2021-06-24

Isobutane

NOAL_0075 Country : DK / Language : EN

1.1. Product identifier	
Trade name SDS no Other means of identification	 Isobutane, Isobutane N25 NOAL_0075 Isobutane CAS-No. : 75-28-5 EC-No. : 200-857-2 EC Index-No. : 601-004-00-0
REACH registration No	: 01-2119485395-27
Chemical formula	: C4H10 / (CH3)2CHCH3
1.2. Relevant identified uses of the substa	nce or mixture and uses advised against
Relevant identified uses Uses advised against	 Industrial and professional uses. Perform risk assessment prior to use. Test gas/Calibration gas. Laboratory use. Chemical reaction / Synthesis. Contact supplier for more information on uses. 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 da	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 identificatio	n

Classification according to Regulation (EC) No. 1272/2008 [CLP] Cato Physical ha arde Гю abla . . .

cal hazards	Flammable gases, Category 1A	H220
	Gases under pressure : Liquefied gas	H280



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Labelling	according	to Ree	gulation (EC) No.	1272/2008	ICLP1

Hazard pictograms (CLP)	
	GHS02 GHS04
Signal word (CLP)	: Danger
Hazard statements (CLP)	: H220 - Extremely flammable gas.
	H280 - Contains gas under pressure; may explode if heated.
Precautionary statements (CLP)	
- Prevention	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
	No smoking.
- Response	: P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
	P381 - In case of leakage, eliminate all ignition sources.
	P381 - In case of leakage, eliminate all ignition sources.
- Storage	: P403 - Store in a well-ventilated place.
	P410+P403 - Protect from sunlight. Store in a well-ventilated place.
2.3. Other hazards	
	Contact with liquid may cause cold burns/frostbite.
	Not classified as PBT or vPvB.
	The substance/mixture has no endocrine disrupting properties.
- Storage	 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely. P381 - In case of leakage, eliminate all ignition sources. P381 - In case of leakage, eliminate all ignition sources. P403 - Store in a well-ventilated place. P410+P403 - Protect from sunlight. Store in a well-ventilated place. Contact with liquid may cause cold burns/frostbite. Not classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1. Substances

Name	Product identifier	Composition [V- %]:	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Isobutane	CAS-No.: 75-28-5 EC-No.: 200-857-2 EC Index-No.: 601-004-00-0 REACH registration No: 01-2119485395- 27	100	Flam. Gas 1A, H220 Press. Gas (Liq.), H280

Contains no other components or impurities which will influence the classification of the product.3.2. MixturesNot established.

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.		



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4.2. Most important symptoms and effects, both acute and delayed

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. Dry powder. - Unsuitable extinguishing media : Carbon dioxide. 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 : Carbon monoxide. 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 equip	oment and emergency procedures
For non-emergency personnel	 Act in accordance with local emergency plan. 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	: 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
	Keep area evacuated and free from ignition sources until any spilled liquid has evaporated (ground free from frost).
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 atmosphere. The product must be handled in accordance with good industrial hygiene and safety procedures. Only experienced and properly instructed persons should handle gases under pressure. Consider pressure relief device(s) in gas installations. Ensure the complete gas system was (or is regularily) checked for leaks before use. Do not smoke while handling product. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Avoid suck back of water, acid and alkalis. Assess the risk of potentially explosive atmospheres and the need for explosion-proof equipment. Purge air from system before introducing gas. Take precautionary measures against static discharge. Keep away from ignition sources (including static discharges). Consider the use of only non-sparking tools.
	Ensure equipment is adequately earthed.
Safe handling of the gas receptacle :	Refer to supplier's container handling instructions.
	Do not allow backfeed into the container. Protect containers from physical damage; do not drag, roll, slide or drop. When moving cylinders, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport cylinders. Leave valve protection caps in place until the container has been secured against either a wall or bench or placed in a container stand and is ready for use. If user experiences any difficulty operating valve discontinue use and contact supplier. Never attempt to repair or modify container valves or safety relief devices. Damaged valves should be reported immediately to the supplier. Keep container valve outlets clean and free from contaminants particularly oil and water. Replace valve outlet caps or plugs and container caps where supplied as soon as container is disconnected from equipment. Close container valve after each use and when empty, even if still connected to equipment. Never attempt to transfer gases from one cylinder/container to another. Never use direct flame or electrical heating devices to raise the pressure of a container. Do not remove or deface labels provided by the supplier for the identification of the content of the container. Suck back of water into the container must be prevented.
	Open valve slowly to avoid pressure shock.
7.2. Conditions for safe storage, including any inco	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)	
	None.

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SECTION 8: Exposure controls/personal protection

Isobutane (75-28-5) Austria - Occupational Exposure Limits Local name Butan (beide Isomeren): Isobutan (R 600a) MAK (mg/m²) 1900 mg/m² MAK (OEL TWA) [ppm] 800 ppm MAK (OEL STEL) 3800 mg/m² MAK (OEL STEL) [ppm] 1600 ppm Belgium - Occupational Exposure Limits Local name Hydrocarbures aliphatiques sous forme gazeuse : (Alcanes C1-C4) # Alifatische koolwaterstoffen in gas-vorm : Alkanen (C1-C4) OEL TWA [ppm] 1000 ppm Estonia - Occupational Exposure Limits Local name Isobutaan (2-metüülpropaan) OEL TWA [ppm] 800 ppm Finland - Occupational Exposure Limits Local name Isobutaan (2-metüülpropaan) OEL TWA [ppm] 800 ppm Finland - Occupational Exposure Limits Local name I-Butani (2-Metyvlipropaani) HTP (OEL TWA) [2] 800 ppm HTP (OEL TWA) [2] 800 ppm HTP (OEL TWA) [2] 800 ppm Germany - Occupational Exposure Limits (TRGS 900) Local name Isobutan	8.1. Control parameters				
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Germany - Occupational Exposure Limits (TRGS 900)Local nameIsobutanAGW (OEL TWA) [1]2400 mg/m³AGW (OEL TWA) [2]1000 ppmRemarkDFGSlovenia - Occupational Exposure LimitsLocal nameizobutanOEL TWA2400 mg/m³	(OEL TWA) [2]	800 ppm			
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Slovenia - Occupational Exposure Limits Local name izobutan OEL TWA 2400 mg/m³	/ (OEL TWA) [2]	1000 ppm			
Local name izobutan OEL TWA 2400 mg/m³	ark	DFG			
OEL TWA 2400 mg/m ³	Slovenia - Occupational Exposure Limits				
	l name	izobutan			
	TWA	2400 mg/m ³			
OEL TWA [ppm] 1000 ppm	TWA [ppm]	1000 ppm			
OEL STEL 9600 mg/m ³	STEL	9600 mg/m ³			
OEL STEL [ppm] 4000 ppm	STEL [ppm]	4000 ppm			
Switzerland - Occupational Exposure Limits					
Local name iso-Butan	l name	iso-Butan			
MAK (OEL TWA) [1] 1900 mg/m ³	(OEL TWA) [1]	1900 mg/m ³			

Air Liquide

SAFETY DATA SHEET

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Isobutane		NOAL_0075	
		Country : DK / Language : EN	
MAK (OEL TWA) [2]	800 ppm		
KZGW (OEL STEL)	7600 mg/m³		
KZGW (OEL STEL) [ppm]	3200 ppm		
Remark	ZNS KT		
USA - ACGIH - Occupational Exposure Limits			
Local name	Butane, all isomers		
ACGIH OEL STEL [ppm]	1000 ppm		
Remark (ACGIH)	CNS impair		
Isobutane (75-28-5)			
Austria - Occupational Exposure Limits			
Local name	Butan (beide Isomeren): Is	sobutan (R 600a)	
MAK (mg/m³)	1900 mg/m³		
MAK (OEL TWA) [ppm]	800 ppm		
MAK (OEL STEL)	3800 mg/m³		
MAK (OEL STEL) [ppm]	1600 ppm	1600 ppm	
Belgium - Occupational Exposure Limits			
bcal name Hydrocarbures aliphatiques sous forme gazeuse : (Alcane: Alifatische koolwaterstoffen in gas-vorm : Alkanen (C1-C4)			
OEL TWA [ppm]	WA [ppm] 1000 ppm		
Estonia - Occupational Exposure Limits			
Local name	Isobutaan (2-metüülpropa	an)	
OEL TWA	1900 mg/m³		
OEL TWA [ppm]	800 ppm		
Finland - Occupational Exposure Limits			
Local name	i-Butaani (2-Metyylipropaa	ani)	
HTP (OEL TWA) [2]	800 ppm		
P (OEL STEL) [ppm] 1000 ppm			
Germany - Occupational Exposure Limits (TRGS	900)		
Local name	Isobutan		
AGW (OEL TWA) [1]	2400 mg/m ³		
AGW (OEL TWA) [2]	1000 ppm		

Slovenia - Occupational Exposure Limits

Remark

Local name	izobutan
OEL TWA	2400 mg/m ³

DFG

Air Liquide

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OEL TWA [ppm]		1000 ppm	
OEL STEL		9600 mg/m ³	
OEL STEL [ppm]		4000 ppm	
Switzerland - Occupational Exposure Limits	5		
Local name		iso-Butan	
MAK (OEL TWA) [1]		1900 mg/m ³	
MAK (OEL TWA) [2]		800 ppm	
KZGW (OEL STEL)		7600 mg/m ³	
KZGW (OEL STEL) [ppm]		3200 ppm	
Remark		ZNS ^{KT}	
USA - ACGIH - Occupational Exposure Limit	ts		
Local name		Butane, all isomers	
ACGIH OEL STEL [ppm]		1000 ppm	
Remark (ACGIH)		CNS impair	
8.2.1. Appropriate engineering controls	Product to be Systems und Ensure expos Gas detectors	uate general and local exhaust ventilation handled in a closed system. er pressure should be regularily checked sure is below occupational exposure limits s should be used when flammable gases/ use of a work permit system e.g. for main	for leakages. ; (where available). vapours may be released.
8.2.2. Individual protection measures, e.g. pe	ersonal protective eq	quipment	
• Eye/face protection	risks related t The following PPE complia : Wear goggles	sment should be conducted and document to the use of the product and to select the recommendations should be considered: nt to the recommended EN/ISO standards s when transfilling or breaking transfer cor 166 - Personal eye-protection - specificat	PPE that matches the relevant risk. s should be selected. nnections.
 Skin protection Hand protection Other 	Standard EN	g gloves when handling gas containers. 388 - Protective gloves against mechanic sulating gloves when transfilling or breakin	

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Respiratory protection	 Gas filters may be used if all surrounding conditions e.g contaminant(s) and duration of use are known. Use gas filters with full face mask, where exposure limit period, e.g. connecting or disconnecting containers. Recommended: Filter AX (brown). 	
• Thermal hazards	Gas filters do not protect against oxygen deficiency. Standard EN 14387 - Gas filter(s), combined filter(s) an Self contained breathing apparatus is recommended, w expected, e.g. during maintenance activities on installat : None in addition to the above sections.	here unknown exposure may be
8.2.3. Environmental exposure controls		
	Refer to local regulations for restriction of emissions to t	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	: Stenchant often added. Sweetish. Poor warning properties at low concentrations.
	Odour threshold is subjective and inadequate to warn of overexposure.
pH	Not applicable for gases and gas mixtures.
Melting point / Freezing point	: -159 °C
	-159 °C
Boiling point	: -12 °C
Flash point	: Not applicable for gases and gas mixtures.
Flammability	: Extremely flammable gas
Explosive limits	: 1.5 – 9.4 vol %
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Vapour pressure [20°C]	: 3 bar(a)
Vapour pressure [50°C]	: 6.9 bar(a)
Density	: Not applicable
Vapour density	: Not applicable for gases and gas mixtures.
Relative density, liquid (water=1)	: 0.59
Relative density, gas (air=1)	: 2
Water solubility	: 54 mg/l
Partition coefficient n-octanol/water (Log Kow)	: 2.76
Auto-ignition temperature	: 460 °C
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 Oxidising properties Tci Critical temperature [°C]	 Not applicable. Not applicable. 3.4 % 135 °C
9.2.2. Other safety characteristics	
Molar mass Evaporation rate Gas group	 58 g/mol Not applicable for gases and gas mixtures. Press. Gas (Liq.)



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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.
10.2. Chemical stability	
	Stable under normal conditions.
10.3. Possibility of hazardous reactions	
	None.
	Can form explosive mixture with air.
	May react violently with oxidants.
Reactivity	: This mixture contains components with the following reactivity : Can form explosive mixture
	with air. May react violently with oxidants.
10.4. Conditions to avoid	
	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No
	smoking.
	Avoid moisture in installation systems.
10.5. Incompatible materials	
	Air, Oxidisers.
	For additional information on compatibility refer to ISO 11114.
10.6. Hazardous decomposition products	
	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008		
Acute toxicity	: Toxicological effects not expected from this product if occupational exposure limit values are not exceeded.	
Skin corrosion/irritation	: No known effects from this product.	
Serious eye damage/irritation	: No known effects from this product.	
Respiratory or skin sensitisation	: No known effects from this product.	
Germ cell mutagenicity	: No known effects from this product.	
Carcinogenicity	: No known effects from this product.	
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.	

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SECTION 12: Ecological information

12.1. Toxicity

Assessment	:	Classification criteria are not met.
EC50 48h - Daphnia magna [mg/l]	:	16.3 mg/l
EC50 72h - Algae [mg/l]	:	8.6 mg/l
LC50 96 h - Fish [mg/l]	:	28 mg/l

Isobutane (75-28-5)	
EC50 48h - Daphnia magna [mg/l]	16.3 mg/l
EC50 72h - Algae [mg/l]	8.6 mg/l
LC50 96 h - Fish [mg/l]	28 mg/l
12.2. Persistence and degradability	
Assessment :	The substance is readily biodegradable. Unlikely to persist.
12.3. Bioaccumulative potential	
	Not expected to bioaccumulate due to the low log Kow (log Kow < 4). See section 9.
<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	
	The substance/mixture has no endocrine disrupting properties.
12.7. Other adverse effects	
Effect on the ozone layer:Global warming potential [CO2=1]:	No known effects from this product. None. 3 Contains greenhouse gas(es).

SECTION 13: Disposal considerations

13.1. Waste treatment methods

	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.
List of hazardous waste codes (from Commission Decision 2000/532/EC as amended)	: 16 05 04 *: Gases in pressure containers (including halons) containing hazardous substances.



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13.2. Additional information

External treatment and disposal of waste should comply with applicable local and/or national regulations.

In accordance with ADR / RID / IMDG / IATA / ADN UN-No. : 199 142. UN proper shipping mame Transport by road/rail (ADR/RID) : ISOBUTANE Transport by sea (IMDG) : ISOBUTANE 1.3. Transport hazard classies) Labelling :	<u>14.1. UN number or ID number</u>	
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pecial 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 haz	ards 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 provid	ded) is correctly fitted.
	- Ensure valve protection device (where provided)	
4.7. Maritime transport in bulk according	to IMO instruments	
	Not applicable.	
	···· • • • • • • • • • • • • • • • • •	
ECTION 15: Regulatory informati	on	
5.1. Safety, health and environmental regr	ulations/legislation specific for the substance or mixture	2
U-Regulations		
estrictions on use	: None.	
ational legislation	: Ensure all national/local regulations are observed.	
eveso Directive : 2012/18/EU (Seveso III)	: Listed. Covered.	
	Covered.	
ational regulations		
nsure all national/local regulations are observ	ved.	
ermany		
/ater hazard class (WGK) ational Rules and Recommendations	: WGK nwg, Non-hazardous to water (Classification	
alional Rules and Recommendations	 [German regulations] BetriebssicherheitsV mit TR 725 Ortsbewegliche Druckgasbehälter", TRBS 21 	
	Gasen", GefahrstoffV mit Technischen Regeln Ge	
	TRGS 407 "Tätigkeiten mit Gasen - Gefährdungsl	
	BGR 104, TRBS 2152.	3,,,,,
etherlands		
ZW-lijst van kankerverwekkende stoffen	: The substance is not listed	
ZW-lijst van mutagene stoffen	: The substance is not listed	
ZW-lijst van reprotoxische stoffen – Borstvoe	-	
ZW-lijst van reprotoxische stoffen – ruchtbaarheid	: The substance is not listed	
ruchibaarneid ZW-lijst van reprotoxische stoffen – Ontwikke	eling : The substance is not listed	
enmark		
anish National Regulations	: Young people below the age of 18 years are not a	llowed to use the product
witzerland		·
torage class (LK)	: LK 2 - Liquefied or pressurized gases	
5.2. Chemical safety assessment		

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 Standard
	UN - United Nations
	ADR - European Agreement concerning the International Carriage of Dangerous Goods by
	Road
	IATA - International Air Transport Association
	IMDG code - International Maritime Dangerous Goods
	RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
	WGK - Water Hazard Class
	STOT - RE : Specific Target Organ Toxicity - Repeated Exposure
	UFI : Unique Formula Identifier
Training advice	: Ensure operators understand the flammability hazard.
Further information	: Classification 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	
Flam. Gas 1A	Flammable gases, Category 1A
H220	Extremely flammable gas.
H280	Contains gas under pressure; may explode if heated.
Press. Gas (Liq.)	Gases under pressure : Liquefied gas
DISCLAIMER OF LIABILITY	: Before using this product in any new process or experiment, a thorough material

 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