Amylalcohol-(iso) v.p.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 3/17/2023 Version: 1.1

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

1.1. Product identifier

Product form	:	Substance
Trade name	:	Amylalcohol-(iso) v.p.
EC Index-No.	:	603-006-00-7
EC-No.	:	204-633-5
CAS-No.	:	123-51-3
REACH registration No.	:	01-2119493725-26
Product code	:	CL00.0165
Type of product	:	Pure substance
Formula	:	C5H12O
Synonyms	:	1-butanol, 3-methyl- / 3-methyl-1-butanol / 3-methylbutan-1-ol / 3-methylbutanol / 3-methylbutyl alcohol / alcool amilico / fermentation amyl alcohol / isoamyl alcohol / isoamyl alcohol, primary / isoamylol / isobutyl carbinol / isobutylcarbinol / isopentanol / isopentyl alcohol / methyl butanol / potato spirit oil / primary-isoamyl alcohol / primary-isobutylcarbinol / prim-isoamyl alcohol
BIG No	:	10572

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

1.2.1. Relevant identified uses

Use of the substance/mixture	:	Laboratory chemical

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Chem-Lab nv
Industriezone 'De arend 2'
Zedelgem – Belgium
Belgium
T +32 50 288320
info@chem-lab.be - https://www.chem-lab.be

1.4. Emergency telephone number

Emergency number	:	+32 50 28 83 20

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 3	H226
Acute toxicity (inhal.), Category 4	H332
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS02 GHS07

Signal word (CLP) : Warning

Hazard statements (CLP) : H226 - Flammable liquid and vapour.
H332 - Harmful if inhaled.
H335 - May cause respiratory irritation.

Precautionary statements (CLP) : P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : Mono-constituent

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Amylalcohol-(iso) v.p.	CAS-No.: 123-51-3 EC-No.: 204-633-5 EC Index-No.: 603-006-00-7 REACH-no: 01-2119493725-26	100	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 STOT SE 3, H335 EUH066

Full text of H- and EUH-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Observe (own) safety. If possible, approach victim and check vital functions. In case of injury and/or intoxication, call the European emergency number 112. Treat symptoms starting with most life-threatening injuries and disorders. Keep victim under observation, possibility of delayed symptoms.

First-aid measures after inhalation : Remove victim into fresh air. In case of respiratory problems, consult a doctor/medical service.

First-aid measures after skin contact : If possible, wipe up/dry remove chemical. Then rinse/shower immediately with (lukewarm) water. If irritation persists, consult a doctor/medical service.

First-aid measures after eye contact : Rinse immediately with (lukewarm) water. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult a doctor/medical service.

First-aid measures after ingestion : Rinse mouth with water. If you feel unwell, consult a doctor/medical service. Do not wait for symptoms to occur to consult Poison Center.

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

Symptoms/effects after inhalation	:	Irritation of the respiratory tract. Irritation of the nasal mucous membranes. Coughing. Dry/sore throat. Nausea. Headache. Dizziness. Disturbances of consciousness. Central nervous system depression.
Symptoms/effects after skin contact	:	ON CONTINUOUS EXPOSURE/CONTACT: Dry skin. Cracking of the skin.
Symptoms/effects after eye contact	:	No effects known.
Symptoms/effects after ingestion	:	Risk of aspiration pneumonia. AFTER INGESTION OF HIGH QUANTITIES: Dry/sore throat. Diarrhoea. Headache. Dizziness. Abdominal pain. Central nervous system depression. Disturbances of consciousness. Symptoms similar to those listed under inhalation.
Chronic symptoms	:	No effects known.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	:	Quick-acting ABC powder extinguisher. Quick-acting BC powder extinguisher. Quick-acting class B foam extinguisher. Quick-acting CO2 extinguisher. Class B foam (alcohol-resistant). Water spray if puddle cannot expand.
Unsuitable extinguishing media	:	Water (quick-acting extinguisher, reel); risk of puddle expansion. Water; risk of puddle expansion.

5.2. Special hazards arising from the substance or mixture

Fire hazard	:	DIRECT FIRE HAZARD: Flammable liquid and vapour. Gas/vapour flammable with air within explosion limits. INDIRECT FIRE HAZARD: May be ignited by sparks. Reactions involving a fire hazard: see "Reactivity Hazard".
Explosion hazard	:	DIRECT EXPLOSION HAZARD: Gas/vapour explosive with air within explosion limits. INDIRECT EXPLOSION HAZARD: may be ignited by sparks. Reactions with explosion hazards: see "Reactivity Hazard".
Hazardous decomposition products in case of fire	:	Upon combustion: CO and CO2 are formed.

5.3. Advice for firefighters

Precautionary measures fire	:	Exposure to fire/heat: keep upwind. Exposure to fire/heat: consider evacuation. Exposure to fire/heat: seal off low-lying areas. Exposure to fire/heat: have neighbourhood close doors and windows.
Firefighting instructions	:	Cool tanks/drums with water spray/remove them into safety.
Protection during firefighting	:	Heat/fire exposure: self-contained breathing apparatus (EN 136 + EN 137).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	:	Gloves (EN 374). Safety glasses (EN 166). Protective clothing (EN 14605 or EN 13034).
Emergency procedures	:	Mark the danger area. Stop engines and no smoking. No naked flames or sparks. Spark- and explosionproof appliances and lighting equipment. Wash contaminated clothes. Large spills/in confined spaces: consider evacuation.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

For containment : Contain released product, collect/pump into suitable containers. Plug the leak, cut off the supply. Dam up the liquid spill. Provide equipment/receptacles with earthing. Do not use compressed air for pumping over spills. Heating: dilute combustible gas/vapour with water curtain.

Methods for cleaning up : Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite or powdered limestone. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Damaged/cooled tanks must be emptied. Do not use compressed air for pumping over spills. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Keep container tightly closed. Do not discharge the waste into the drain. Do not use compressed air for pumping over.

Hygiene measures : Avoid prolonged and repeated contact with skin.

7.2. Conditions for safe storage, including any incompatibilities

Heat and ignition sources : KEEP SUBSTANCE AWAY FROM: heat sources. ignition sources.

Information on mixed storage : KEEP SUBSTANCE AWAY FROM: oxidizing agents. combustible materials. (strong) acids. (strong) bases.

Storage area : Meet the legal requirements. Store at ambient temperature. Store in a dry area. Keep container in a well-ventilated place. Fireproof storeroom. Provide for a tub to collect spills. Provide the tank with earthing.

Special rules on packaging : SPECIAL REQUIREMENTS: closing. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.

Packaging materials : SUITABLE MATERIAL: bronze. carbon steel. copper. nickel. stainless steel. glass.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Amylalcohol-(iso) v.p. (123-51-3)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	18 mg/m³
IOEL TWA [ppm]	5 ppm
IOEL STEL	37 mg/m³
IOEL STEL [ppm]	10 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	18 mg/m³

Amylalcohol-(iso) v.p. (123-51-3)	
OEL TWA [ppm]	5 ppm
OEL STEL	37 mg/m³
OEL STEL [ppm]	10 ppm
France - Occupational Exposure Limits	
VME (OEL TWA)	18 mg/m³
VME (OEL TWA) [ppm]	5 ppm
VLE (OEL C/STEL)	37 mg/m³
VLE (OEL C/STEL) [ppm]	10 ppm
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	18 mg/m³
TGG-8u (OEL TWA) [ppm]	5 ppm
TGG-15min (OEL STEL)	37 mg/m³
TGG-15min (OEL STEL) [ppm]	10 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	366 mg/m³
WEL TWA (OEL TWA) [2]	100 ppm
WEL STEL (OEL STEL)	458 mg/m³
WEL STEL (OEL STEL) [ppm]	125 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA [ppm]	100 ppm
ACGIH OEL STEL [ppm]	125 ppm

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

Amylalcohol-(iso) v.p. (123-51-3)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	292 mg/m³
Long-term - local effects, inhalation	73.16 mg/m³
DNEL/DMEL (General population)	
Acute - local effects, inhalation	218 mg/m³
Long-term - systemic effects,oral	12.5 mg/kg bw/day
Long-term - local effects, inhalation	13 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0.12 mg/l
PNEC aqua (marine water)	0.012 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.496 mg/kg dwt

Amylalcohol-(iso) v.p. (123-51-3)	
PNEC sediment (marine water)	0.05 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.029 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	37 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection:
Safety glasses (EN 166)

8.2.2.2. Skin protection

Skin and body protection:
Protective clothing (EN 14605 or EN 13034)

Hand protection:
Protective gloves against chemicals (EN 374)

Other skin protection

Materials for protective clothing:
Excellent resistance: Nitrile rubber. Good resistance: Butyl rubber. neoprene (chloroprene rubber). Viton. Less resistance: Polyvinylchloride (PVC)

8.2.2.3. Respiratory protection

Respiratory protection:
Full face mask with filter type A at conc. in air > exposure limit

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Colourless.
Appearance	:	Liquid.
Molecular mass	:	88.15 g/mol
Odour	:	Unpleasant odour. Sweet odour.
Odour threshold	:	Not available
Melting point	:	-147 °C (1013 hPa, Equivalent or similar to OECD 102)

Freezing point	:	Not available
Boiling point	:	131 °C (1013 hPa, BASF test)
Flammability	:	Not available
Explosive limits	:	1 – 10.5 vol % 44 – 300 g/m³
Lower explosion limit	:	1 vol %
Upper explosion limit	:	10.5 vol %
Flash point	:	43 °C (Closed cup, 1013 hPa, EN ISO 13736: Abel)
Auto-ignition temperature	:	335 °C (1013 - 1017 hPa, DIN 51794: Self-ignition temperature, T2)
Decomposition temperature	:	No data available in the literature
pH	:	No data available in the literature
Viscosity, kinematic	:	5.32 mm²/s (20 °C, DIN 51562: Capillary viscometer)
Viscosity, dynamic	:	4.3 mPa.s (20 °C, DIN 51562: Capillary viscometer)
Solubility	:	Moderately soluble in water. Soluble in ethanol. Soluble in ether. Soluble in acetone. Soluble in oils/fats. Soluble in chloroform. Soluble in acetic acid. Soluble in petroleum spirit. Water: 2.6 g/100ml (20 °C) Ethanol: complete Ether: complete Acetone: complete
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Partition coefficient n-octanol/water (Log Pow)	:	1.35 (Experimental value, Equivalent or similar to OECD 107)
Vapour pressure	:	3 hPa (20 °C, BASF test)
Vapour pressure at 50°C	:	45 hPa
Critical pressure	:	38800 hPa
Saturation concentration	:	10 g/m³
Density	:	808 kg/m³ (20 °C)
Relative density	:	0.81 (20 °C)
Relative vapour density at 20°C	:	3
Relative density of saturated gas/air mixture	:	1.01 (20 °C)
Particle characteristics	:	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Explosion limits	:	1 – 10.5 vol % 44 – 300 g/m³
Critical temperature	:	307 °C

9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1)	:	0.19
Relative evaporation rate (ether=1)	:	62
Specific conductivity	:	140000 pS/m
VOC content	:	100 %
Other properties	:	Gas/vapour heavier than air at 20°C,Clear,Slightly volatile

SECTION 10: Stability and reactivity

10.1. Reactivity

Violent exothermic reaction with (some) acids: (increased) risk of fire/explosion. Reacts violently with (some) bases: (increased) risk of fire/explosion. Reacts violently with (strong) oxidizers: (increased) risk of fire/explosion.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Harmful if inhaled.

Amylalcohol-(iso) v.p. (123-51-3)	
LD50 oral rat	> 5000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	3216 mg/kg (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))

Skin corrosion/irritation : Not classified
pH: No data available in the literature
Serious eye damage/irritation : Not classified
pH: No data available in the literature
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : May cause respiratory irritation.
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

Amylalcohol-(iso) v.p. (123-51-3)	
Viscosity, kinematic	5.32 mm²/s (20 °C, DIN 51562: Capillary viscometer)

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Potential adverse human health effects and symptoms : Non-toxic if swallowed (LD50 oral, rat > 5000 mg/kg),Practically non-toxic in contact with skin (LD50 skin > 2000 mg/kg),Repeated exposure may cause skin dryness or cracking,Harmful if inhaled,May cause respiratory irritation,Caution! Substance is absorbed through the skin

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008.
Ecology - air : Not included in the list of substances which may contribute to the greenhouse effect (IPCC). Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014). Photooxidation in the air. Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).
Ecology - water : Slightly harmful to crustacea (Daphnia). Slightly harmful to fishes. Groundwater pollutant. No inhibition of activated sludge. Slightly harmful to algae.

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Not classified

Not rapidly degradable

Amylalcohol-(iso) v.p. (123-51-3)	
LC50 - Fish [1]	700 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	255 mg/l (DIN 38412-11, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	> 500 mg/l (DIN 38412-9, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)

12.2. Persistence and degradability

Amylalcohol-(iso) v.p. (123-51-3)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.6 g O_2/g substance
Chemical oxygen demand (COD)	2.44 g O_2/g substance
ThOD	2.74 g O_2/g substance

12.3. Bioaccumulative potential

Amylalcohol-(iso) v.p. (123-51-3)	
Partition coefficient n-octanol/water (Log Pow)	1.35 (Experimental value, Equivalent or similar to OECD 107)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

Amylalcohol-(iso) v.p. (123-51-3)	
Surface tension	24 mN/m (20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.73 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Ecology - soil	Highly mobile in soil.

12.5. Results of PBT and vPvB assessment

Amylalcohol-(iso) v.p. (123-51-3)
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Do not discharge into drains or the environment. Dispose of at authorized waste collection point. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals.

Additional information : Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.

European List of Waste (LoW) code : 15 01 10* - packaging containing residues of or contaminated by dangerous substances
07 01 04* - other organic solvents, washing liquids and mother liquors

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 1105	UN 1105	UN 1105	UN 1105	UN 1105
14.2. UN proper shipping name				
pentanols	pentanols	pentanols	pentanols	pentanols
Transport document description				
UN 1105 pentanols, 3, III, (D/E)	UN 1105 pentanols, 3, III	UN 1105 pentanols, 3, III	UN 1105 pentanols, 3, III	UN 1105 pentanols, 3, III
14.3. Transport hazard class(es)				
3	3	3	3	3
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

14.6. Special precautions for user

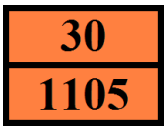
Overland transport

Transport regulations (ADR) : Subject to the provisions

Classification code (ADR) : F1

Hazard identification number (Kemler No.) : 30

Orange plates :



Tunnel restriction code (ADR) : D/E

EAC code : •3Y

Transport by sea

Transport regulations (IMDG) : Subject to the provisions
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-D

Air transport

Transport regulations (IATA) : Subject to the provisions

Inland waterway transport

Classification code (ADN) : F1
Carriage permitted (ADN) : T

Rail transport

Transport regulations (RID) : Subject to the provisions
Classification code (RID) : F1

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Not listed on REACH Annex XVII

REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

VOC Directive (2004/42)

VOC content : 100 %

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

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 1, Slightly hazardous to water (Classification according to AwSV; ID No. 597).
Storage class (LGK, TRGS 510) : LGK 3 - Flammable liquids.

Joint storage table :

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for : LGK 1, LGK 2A, LGK 4.1A, LGK 4.1B, LGK 4.2, LGK 4.3, LGK 5.1A, LGK 5.1C, LGK 5.2, LGK 6.1B, LGK 6.2, LGK 7.

Joint storage with restrictions permitted for : LGK 5.1B, LGK 6.1D, LGK 11, LGK 10-13.

Joint storage permitted for : LGK 2B, LGK 3, LGK 6.1A, LGK 6.1C, LGK 8A, LGK 8B, LGK 10, LGK 12, LGK 13.

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

ABM category : B(5) - low hazard for aquatic organisms

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : The substance is not listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

Denmark

Class for fire hazard : Class II-1

Store unit : 5 liter

Classification remarks : R10 <H226;H332;H335>; Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

Switzerland

Storage class (LK) : LK 3 - Flammable liquids

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
EUH066	Repeated exposure may cause skin dryness or cracking.
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.