



# Acetonitrile, HPLC grade

## 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	: Acetonitrile, HPLC grade
EC Index-No.	: 608-001-00-3
EC-No.	: 200-835-2
CAS-No.	: 75-05-8
REACH registration No.	: 01-2119471307-38
Product code	: CL00.0174
Type of product	: Pure substance
Formula	: C <sub>2</sub> H <sub>3</sub> N
Synonyms	: ACE / acetic acid nitrile / acetonitrile / ACN (=acetonitrile) / cyanomethane / DNA synthesis reagents #13 / DNA synthesis reagents #16 / DNA synthesis reagents #18 / ethane nitrile / ethyl nitrile / methane carbonitrile / methane, cyano- / phosphoramidite solvent / protein sequencer reagent R5 / RCRA waste number U003 / solvent B / USAF EK 488
BIG No	: 10002

#### 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](mailto: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 2	H225
Acute toxicity (inhal.), Category 4	H332
Acute toxicity (dermal), Category 4	H312
Acute toxicity (oral), Category 4	H302
Serious eye damage/eye irritation, Category 2	H319
Full text of H- and EUH-statements: see section 16	

##### Adverse physicochemical, human health and environmental effects

No additional information available

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### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

GHS07

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H225 - Highly flammable liquid and vapour.  
H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.  
H319 - Causes serious eye irritation.

Precautionary statements (CLP) :

P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P403+P235 - Store in a well-ventilated place. Keep cool.

### 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]
Acetonitrile, HPLC grade	CAS-No.: 75-05-8 EC-No.: 200-835-2 EC Index-No.: 608-001-00-3 REACH-no: 01-2119471307-38	100	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Acute Tox. 4 (Oral), H302 (ATE=617 mg/kg bodyweight) Eye Irrit. 2, H319

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 plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult a doctor/medical service.

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First-aid measures after ingestion : Rinse mouth with water. Immediately 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 : EXPOSURE TO HIGH CONCENTRATIONS: Nausea. Headache. Respiratory difficulties. Vomiting. Dizziness. Disturbances of consciousness. Feeling of weakness. FOLLOWING SYMPTOMS MAY APPEAR LATER: Risk of lung oedema. Change in the haemogramme/blood composition. Cramps/uncontrolled muscular contractions. Mental confusion. Disturbances of heart rate. Increased salivation.

Symptoms/effects after skin contact : Symptoms similar to those listed under inhalation.

Symptoms/effects after eye contact : Irritation of the eye tissue.

Symptoms/effects after ingestion : Risk of aspiration pneumonia. Symptoms similar to those listed under inhalation.

Chronic symptoms : Headache. Dizziness. Feeling of weakness. Gastrointestinal complaints. Loss of appetite. Runny nose. Loss of weight.

### 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: Highly flammable liquid and vapour. Gas/vapour flammable with air within explosion limits. INDIRECT FIRE HAZARD: May be ignited by sparks. May build up electrostatic charges: risk of ignition.

Explosion hazard : DIRECT EXPLOSION HAZARD: Gas/vapour explosive with air within explosion limits. INDIRECT EXPLOSION HAZARD: may be ignited by sparks.

Hazardous decomposition products in case of fire : On burning: release of toxic and corrosive gases/vapours (nitrous vapours, carbon monoxide - carbon dioxide).

### 5.3. Advice for firefighters

Firefighting instructions : Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat. Dilute toxic gases with water spray. Take account of toxic/corrosive precipitation water.

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). Protective goggles (EN 166). Head/neck protection. Protective clothing (EN 14605 or EN 13034). Large spills/in enclosed spaces: gas-tight suit (EN 943). Large spills/in enclosed spaces: self-contained breathing apparatus (EN 136 + EN 137).

Emergency procedures : Keep upwind. Mark the danger area. Consider evacuation. Close doors and windows of adjacent premises. Stop engines and no smoking. No naked flames or sparks. Spark- and explosionproof appliances and lighting equipment. Keep containers closed. Wash contaminated clothes.

#### 6.1.2. For emergency responders

No additional information available

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### 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. Try to reduce evaporation. Measure the concentration of the explosive gas-air mixture. Dilute/disperse combustible gas/vapour with water curtain. Provide equipment/receptacles with earthing. Do not use compressed air for pumping over spills.
- Methods for cleaning up : Take up liquid spill into inert absorbent material. 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 : Keep away from naked flames/heat. Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from ignition sources/sparks. Measure the concentration in the air regularly. Work under local exhaust/ventilation. Comply with the legal requirements. Clean contaminated clothing. Keep container tightly closed. Handle uncleaned empty containers as full ones. Do not discharge the waste into the drain. Do not use compressed air for pumping over.
- Hygiene measures : Observe normal hygiene standards.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage temperature : -20 °C
- Heat and ignition sources : KEEP SUBSTANCE AWAY FROM: heat sources. ignition sources.
- Information on mixed storage : KEEP SUBSTANCE AWAY FROM: oxidizing agents. reducing agents. (strong) acids. (strong) bases. water/moisture.
- 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: stainless steel. aluminium. iron. polyethylene. glass. MATERIAL TO AVOID: copper. plastics.

### 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

Acetonitrile, HPLC grade (75-05-8)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	70 mg/m <sup>3</sup>
IOEL TWA [ppm]	40 ppm

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<b>Belgium - Occupational Exposure Limits</b>	
OEL TWA	34 mg/m <sup>3</sup>
OEL TWA [ppm]	20 ppm
<b>France - Occupational Exposure Limits</b>	
VME (OEL TWA)	70 mg/m <sup>3</sup>
VME (OEL TWA) [ppm]	40 ppm
<b>Netherlands - Occupational Exposure Limits</b>	
TGG-8u (OEL TWA)	34 mg/m <sup>3</sup>
TGG-8u (OEL TWA) [ppm]	20 ppm
<b>United Kingdom - Occupational Exposure Limits</b>	
WEL TWA (OEL TWA) [1]	68 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	40 ppm
WEL STEL (OEL STEL)	102 mg/m <sup>3</sup>
WEL STEL (OEL STEL) [ppm]	60 ppm
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH OEL TWA [ppm]	20 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

Acetonitrile, HPLC grade (75-05-8)	
<b>DNEL/DMEL (General population)</b>	
Acute - systemic effects, oral	0.6 mg/kg bw/day
Long-term - systemic effects, oral	0.4 mg/kg bw/day
Long-term - systemic effects, inhalation	2.4 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	1.2 mg/kg bw/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	10 mg/l
PNEC aqua (marine water)	1 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	40.5 mg/kg dwt
PNEC sediment (marine water)	4.05 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	2.41 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	32 mg/l

### 8.1.5. Control banding

No additional information available

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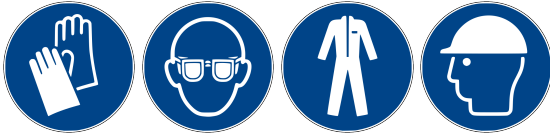
### 8.2. Exposure controls

#### 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:**

Protective goggles (EN 166)

##### 8.2.2.2. Skin protection

**Skin and body protection:**

Protective clothing (EN 14605 or EN 13034). Head/neck protection

**Hand protection:**

Protective gloves against chemicals (EN 374)

**Other skin protection**

**Materials for protective clothing:**

Excellent resistance: Butyl rubber. Good resistance: Chlorinated polyethylene. Tetrafluoroethylene. neoprene/butyl rubber. neoprene/natural rubber. Polyethylene/ethylenevinylalcohol. Less resistance: Polyvinylalcohol (PVA). Poor resistance: neoprene (chloroprene rubber). Nitrile rubber. Polyethylene. Natural rubber. Polyvinylchloride (PVC). Viton

##### 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	: 41.05 g/mol
Odour	: Sweet odour. Aromatic odour. Ether-like odour.
Odour threshold	: Not available
Melting point	: -46 °C (1013 hPa)
Freezing point	: Not available
Boiling point	: 82 °C (1013 hPa)
Flammability	: Not available
Explosive limits	: 3 – 16 vol % 50 – 274 g/m <sup>3</sup>
Lower explosion limit	: 3 vol %
Upper explosion limit	: 16 vol %
Flash point	: 6 °C (Open cup)
Auto-ignition temperature	: 524 °C (1013 hPa, T1)
Decomposition temperature	: No data available in the literature
pH	: No data available in the literature

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Viscosity, kinematic	: No data available in the literature
Viscosity, dynamic	: 0.35 mPa.s (20 °C)
Solubility	: Soluble in water. Soluble in ethanol. Soluble in ether. Soluble in acetone. Soluble in chloroform. Soluble in methylacetate. Soluble in dichloroethane. Soluble in tetrachloromethane. Soluble in tetrachloroethene. Soluble in methanol. Soluble in ethylacetate. Soluble in oils/fats. Water: 100 g/100ml (25 °C) Ethanol: complete Ether: complete Acetone: complete
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: -0.54 (Experimental value, Equivalent or similar to OECD 107, 25 °C)
Vapour pressure	: 94.5 hPa (20 °C)
Vapour pressure at 50°C	: Not available
Critical pressure	: 48320 hPa
Saturation concentration	: 163 g/m <sup>3</sup>
Density	: 790 kg/m <sup>3</sup> (20 °C)
Relative density	: 0.79 (20 °C)
Relative vapour density at 20°C	: 1.42
Relative density of saturated gas/air mixture	: 1.04
Particle characteristics	: Not applicable

## 9.2. Other information

### 9.2.1. Information with regard to physical hazard classes

Explosion limits	: 3 – 16 vol % 50 – 274 g/m <sup>3</sup>
Critical temperature	: 275 °C

### 9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1)	: 5.8
Specific conductivity	: 60000 pS/m
VOC content	: 100 %
Other properties	: Gas/vapour heavier than air at 20°C, Clear, Volatile, Neutral reaction, May generate electrostatic charges

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reacts violently with (strong) oxidizers: (increased) risk of fire/explosion. Reacts violently with (strong) reducers.

### 10.2. Chemical stability

Unstable on exposure to moisture.

### 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

Violent exothermic reaction with (some) acids: release of toxic and corrosive gases/vapours (nitrous vapours). On heating: release of toxic/combustible gases/vapours (hydrogen cyanide). Reacts slowly with water (moisture): release of corrosive gases/vapours (ammonia, nitrous vapours).

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### SECTION 11: Toxicological information

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

- Acute toxicity (oral) : Harmful if swallowed.  
Acute toxicity (dermal) : Harmful in contact with skin.  
Acute toxicity (inhalation) : Harmful if inhaled.

Acetonitrile, HPLC grade (75-05-8)	
LD50 oral	617 mg/kg bodyweight (Equivalent or similar to OECD 401, Mouse, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))

- Skin corrosion/irritation : Not classified  
pH: No data available in the literature
- Serious eye damage/irritation : Causes serious eye irritation.  
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 : Not classified
- STOT-repeated exposure : Not classified
- Aspiration hazard : Not classified

Acetonitrile, HPLC grade (75-05-8)	
Viscosity, kinematic	No data available in the literature

#### 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 : Odour threshold is well above one of the exposure limits,Odour tolerance may develop,Harmful if swallowed,Not irritant to skin,Harmful in contact with skin,Harmful if inhaled,Causes serious eye 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). No photodegradation in the air. Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).
- Ecology - water : Not harmful to crustacea (Daphnia). Not harmful to fishes. Groundwater pollutant. No inhibition of activated sludge. Not 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

Acetonitrile, HPLC grade (75-05-8)	
LC50 - Fish [1]	1640 mg/l (96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)



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### Acetonitrile, HPLC grade (75-05-8)

EC50 - Crustacea [1]	3600 mg/l (48 h, Daphnia magna, Static renewal, Fresh water, Literature study, Nominal concentration)
ErC50 algae	9696 mg/l (ISO 10253, 72 h, Phaeodactylum, Static system, Salt water, Experimental value, Nominal concentration)

### 12.2. Persistence and degradability

#### Acetonitrile, HPLC grade (75-05-8)

Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.17 g O <sub>2</sub> /g substance
ThOD	3.12 g O <sub>2</sub> /g substance

### 12.3. Bioaccumulative potential

#### Acetonitrile, HPLC grade (75-05-8)

Partition coefficient n-octanol/water (Log Pow)	-0.54 (Experimental value, Equivalent or similar to OECD 107, 25 °C)
Bioaccumulative potential	Not bioaccumulative.

### 12.4. Mobility in soil

#### Acetonitrile, HPLC grade (75-05-8)

Surface tension	29.04 mN/m (20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.65 (log Koc, Calculated value)
Ecology - soil	Highly mobile in soil.

### 12.5. Results of PBT and vPvB assessment

#### Acetonitrile, HPLC grade (75-05-8)

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






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### SECTION 14: Transport information

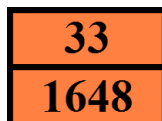
In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
UN 1648	UN 1648	UN 1648	UN 1648	UN 1648
<b>14.2. UN proper shipping name</b>				
acetonitrile	acetonitrile	acetonitrile	acetonitrile	acetonitrile
<b>Transport document description</b>				
UN 1648 acetonitrile, 3, II, (D/E)	UN 1648 acetonitrile, 3, II	UN 1648 acetonitrile, 3, II	UN 1648 acetonitrile, 3, II	UN 1648 acetonitrile, 3, II
<b>14.3. Transport hazard class(es)</b>				
3	3	3	3	3
				
<b>14.4. Packing group</b>				
II	II	II	II	II
<b>14.5. Environmental hazards</b>				
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.) : 33  
Orange plates :



Tunnel restriction code (ADR) : D/E  
EAC code : •2YE

#### 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

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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

##### France

Occupational diseases	
Code	Description
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamide; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

##### 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 2, Significantly hazardous to water (Classification according to AwSV; ID No. 8).

Storage class (LGK, TRGS 510) : LGK 3 - Flammable liquids.

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## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Joint storage table	:	<table border="1"><tr><td>LGK 1</td><td>LGK 2A</td><td>LGK 2B</td><td>LGK 3</td><td>LGK 4.1A</td></tr><tr><td>LGK 4.1B</td><td>LGK 4.2</td><td>LGK 4.3</td><td>LGK 5.1A</td><td>LGK 5.1B</td></tr><tr><td>LGK 5.1C</td><td>LGK 5.2</td><td>LGK 6.1A</td><td>LGK 6.1B</td><td>LGK 6.1C</td></tr><tr><td>LGK 6.1D</td><td>LGK 6.2</td><td>LGK 7</td><td>LGK 8A</td><td>LGK 8B</td></tr><tr><td>LGK 10</td><td>LGK 11</td><td>LGK 12</td><td>LGK 13</td><td>LGK 10-13</td></tr></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
LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A																							
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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)																									
Technical Instructions on Air Quality Control (TA Luft)	:	5.2.5 Organic Substances.																									

### 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 I-1
Store unit	:	1 liter
Classification remarks	:	F <Flam. Liq. 2>; Emergency management guidelines for the storage of flammable liquids must be followed
Danish National Regulations	:	Pregnant/breastfeeding women working with the product must not be in direct contact with the product

### Switzerland

Storage class (LK)	:	LK 3 - Flammable liquids
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## 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

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.