

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 18/12/2017 Revision date:

Version: 1.0

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

1.1. Product identifier	
Product form	: Mixture
Product name	: Acetone Standard
Product code	: AL0-101319
Product group	: Trade product

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

1.2.1. Relevant identified uses	
Main use category	: Laboratory Use
Industrial/Professional use spec	: Industrial For professional use only
Use of the substance/mixture	: Certified reference material for laboratory use only
1.2.2. Uses advised against No additional information available	

1.3. Details of the supplier of the safety data sheet

1.4. Emergency telephone number

Emergency number

: ChemTel Assistance (US/Canada) 1-800-255-3924 ChemTel Assistance (International) +1 813-248-0585

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 2	H225
Acute Tox. 3 (Oral)	H301
Acute Tox. 3 (Dermal)	H311
STOT SE 1	H370

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

F; R11 T; R23/24/25 T; R39/23/24/25 Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

Label elements 2.2. Labeling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) GHS02 GHS06 GHS08 Signal word (CLP) : Danger Hazardous ingredients : methanol : H225 - Highly flammable liquid and vapor Hazard statements (CLP) H301+H311 - Toxic if swallowed or in contact with skin 18/12/2017

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	H370 - Causes damage to organs
Precautionary statements (CLP)	 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P233 - Keep container tightly closed P260 - Do not breathe dust, fume, gas, mist, spray, vapors P270 - Do not eat, drink or smoke when using this product P280 - Wear protective gloves, protective clothing, eye protection, face protection P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting P308+P313 - IF exposed or concerned: Get medical advice/attention P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water P361+P364 - Take off immediately all contaminated clothing and wash it before reuse P370+P378 - In case of fire: Use media other than water to extinguish P403+P235 - Store in a well-ventilated place. Keep cool
	P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

No labeling applicable

2.3.	Other hazards

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
methanol (Component)	(CAS No) 67-56-1 (EC-No.) 200-659-6 (EC index no) 603-001-00-X	89.8	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370
acetone (Component) substance with a Community workplace exposure limit	(CAS No) 67-64-1 (EC-No.) 200-662-2 (EC index no) 606-001-00-8	0.2	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Name	Product identifier	Specific c	oncentration limits
methanol (Component)	(CAS No) 67-56-1 (EC-No.) 200-659-6 (EC index no) 603-001-00-X		D) STOT SE 2, H371 TOT SE 1, H370

SECTION 4: First aid measures

4.1. Description of first aid measures				
First-aid measures general		anything by mouth to an unconscious person. Call a POISON CENTER or sician. IF exposed or concerned: Get medical advice/attention.		
First-aid measures after inhalation	Remove vi	ctim to fresh air and keep at rest in a position comfortable for breathing.		
First-aid measures after skin contact	Immediate	with water/shower. Remove/Take off immediately all contaminated clothing. y call a poison center or doctor/physician. Wash with plenty of soap and water. aminated clothing before reuse.		
First-aid measures after eye contact		ontact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with everal minutes. Obtain medical attention if pain, blinking or redness persists.		
First-aid measures after ingestion		th. Do NOT induce vomiting. Obtain emergency medical attention. Immediately call a ter or doctor/physician.		
4.2. Most important symptoms and effects, both acute and delayed				
Symptoms/effects after skin contact		exposure to this material can result in absorption through skin causing significant ard. Toxic in contact with skin.		
Symptoms/effects after ingestion	Toxic if sw hazard.	allowed. Swallowing a small quantity of this material will result in serious health		
4.3. Indication of any immediate medical attention and special treatment needed				
No additional information available				
SECTION 5: Firefighting measures				

 5.1. Extinguishing media
 : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

 Suitable extinguishing media
 : Do not use a heavy water stream.

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5.2. Special hazards arising from the substance or mixture				
Fire hazard	: Highly flammable liquid and vapor.			
Explosion hazard	: May form flammable/explosive vapor-air mixture.			
5.3. Advice for firefighters				
Firefighting instructions	 Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. 			
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.			
SECTION 6: Accidental release me				
	equipment and emergency procedures			
6.1.1. For non-emergency personnel				
Emergency procedures	: Evacuate unnecessary personnel.			
Emergency procedures				
6.1.2. For emergency responders				
Protective equipment	: Equip cleanup crew with proper protection. Avoid breathing dust/fume/gas/mist/vapors/spray.			
Emergency procedures	: Ventilate area.			
6.2. Environmental precautions				
Prevent entry to sewers and public waters. No	tify authorities if liquid enters sewers or public waters.			
6.3. Methods and material for contain	ment and cleaning up			
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.			
6.4. Reference to other sections				
See Heading 8. Exposure controls and person	al protection.			
SECTION 7: Handling and storage				
7.1. Precautions for safe handling				
Additional hazards when processed	: Handle empty containers with care because residual vapors are flammable.			
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Use only non-sparking tools.			
Hygiene measures	: Do not eat, drink or smoke when using this product. Gently wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.			
7.2. Conditions for safe storage, including any incompatibilities				
Technical measures	: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment.			
Storage conditions	: Keep in fireproof place. Keep container tightly closed. Keep container tightly closed and in a well-ventilated place. Keep away from any flames or sparking source.			
Incompatible products	: Strong bases. Strong acids.			
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.			
7.3. Specific end use(s)				

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

acetone (67-64-1)		
EU	IOELV TWA (mg/m³)	1210 mg/m ³ (Acetone; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)
EU	IOELV TWA (ppm)	500 ppm (Acetone; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)
Belgium	Limit value (mg/m³)	1210 mg/m³ (Acétone; Belgium; Time-weighted average exposure limit 8 h)
Belgium	Limit value (ppm)	500 ppm (Acétone; Belgium; Time-weighted average exposure limit 8 h)
Belgium	Short time value (mg/m ³)	2420 mg/m³ (Acétone; Belgium; Short time value)
Belgium	Short time value (ppm)	1000 ppm (Acétone; Belgium; Short time value)
France	VLE (mg/m ³)	2420 mg/m³ (Acétone; France; Short time value; VRC: Valeur réglementaire contraignante)

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acetone (67-64-1)			
France	VLE (ppm)	1000 ppm (Acétone; France; Short time value; VRC: Valeur réglementaire contraignante)	
France	VME (mg/m³)	1210 mg/m ³ (Acétone; France; Time-weighted average exposure limit 8 h; VRC: Valeur réglementaire contraignante)	
France	VME (ppm)	500 ppm (Acétone; France; Time-weighted average exposure limit 8 h; VRC: Valeur réglementaire contraignante)	
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	500 ppm (Acetone; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)	
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	750 ppm (Acetone; USA; Short time value; TLV - Adopted Value)	
Netherlands	Grenswaarde TGG 8H (mg/m³)	1210 mg/m³ (Aceton; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)	
Netherlands	Grenswaarde TGG 8H (ppm)	501 ppm (Aceton; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)	
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	2420 mg/m³ (Aceton; Netherlands; Short time value; Public occupational exposure limit value)	
Netherlands	Grenswaarde TGG 15MIN (ppm)	1002 ppm (Aceton; Netherlands; Short time value; Public occupational exposure limit value)	
United Kingdom	WEL TWA (mg/m³)	1210 mg/m ³ Acetone; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)	
United Kingdom	WEL TWA (ppm)	500 ppm Acetone; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)	
United Kingdom	WEL STEL (mg/m³)	3620 mg/m³ Acetone; United Kingdom; Short time value; Workplace exposure limit (EH40/2005)	
United Kingdom	WEL STEL (ppm)	1500 ppm Acetone; United Kingdom; Short time value; Workplace exposure limit (EH40/2005)	
methanol (67-56-1)			
EU	IOELV TWA (mg/m³)	260 mg/m ³ (Methanol; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)	
EU	IOELV TWA (ppm)	200 ppm (Methanol; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)	
Belgium	Limit value (mg/m³)	266 mg/m ³ (Alcool méthylique; Belgium; Time- weighted average exposure limit 8 h)	
Belgium	Limit value (ppm)	200 ppm (Alcool méthylique; Belgium; Time-weighted average exposure limit 8 h)	
Belgium	Short time value (mg/m³)	333 mg/m³ (Alcool méthylique; Belgium; Short time value)	
Belgium	Short time value (ppm)	250 ppm (Alcool méthylique; Belgium; Short time value)	
France	VLE (mg/m ³)	1300 mg/m³ (Methanol; France; Short time value; VL: Valeur non réglementaire indicative)	
France	VLE (ppm)	1000 ppm (Methanol; France; Short time value; VL: Valeur non réglementaire indicative)	
France	VME (mg/m³)	260 mg/m ³ (Methanol; France; Time-weighted average exposure limit 8 h; VRC: Valeur réglementaire contraignante)	
France	VME (ppm)	200 ppm (Methanol; France; Time-weighted average exposure limit 8 h; VRC: Valeur réglementaire contraignante)	
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	200 ppm (Methanol; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)	
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	250 ppm (Methanol; USA; Short time value; TLV - Adopted Value)	
Netherlands	Grenswaarde TGG 8H (mg/m ³)	133 mg/m³ (Methanol; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)	
Netherlands	Grenswaarde TGG 8H (ppm)	100 ppm (Methanol; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)	

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methanol (67-56-1)		
United Kingdom	WEL TWA (mg/m³)	266 mg/m³ Methanol; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
United Kingdom	WEL TWA (ppm)	200 ppm Methanol; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
United Kingdom	WEL STEL (mg/m ³)	333 mg/m³ Methanol; United Kingdom; Short time value; Workplace exposure limit (EH40/2005)
United Kingdom	WEL STEL (ppm)	250 ppm Methanol; United Kingdom; Short time value; Workplace exposure limit (EH40/2005)

Personal protective equipment : Avoid all unnecessary exposure. Gioves. Protective clothing. Protective goggles. Safety glasses. Wear chemically resistant protective gloves. Wear suitable gloves resistant to chemical penetration. Eve protection Eve protection : Chemical goggles or safety glasses. Safety glasses. Skin and body protection : Ohemical goggles or safety glasses. Safety glasses. Skin and body protection : Ohemical goggles or safety glasses. Safety glasses. Skin and body protection : Ohemical goggles or safety glasses. Safety glasses. Storn and body protection : Ohemical goggles or safety glasses. Safety glasses. Storn and body protection : Ohemical goggles or safety glasses. Storn and body protection : Do not eat. drink or smoke during use. Stornow 10 sele. physical and chemical properties Physical state Physical state : Liquid Color : Colorless. Odd : No data available Freezing point : No data available Freezing point : No data available Paintomition temperature : No data available Planmability (soid, gas) : No data available Flanmability (soid, gas) : No data available Solubility : No dat	8.2. Exposure controls	. Fither level exhaust or general ream ventilation is usually required
glasses. Wear chemically resistant protective gloves. Wear suitable gloves resistant to chemical penetration. Eye protection : Chemical goggles or safety glasses. Safety glasses. Skin and body protection : Chemical goggles or safety glasses. Safety glasses. Skin and body protection : Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact. Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Other information : Do not eat, drink or smoke during use. SECTION SPhysical and chemical properties Physical state : Liquid Color : Colorless. Odor : No data available Pregrap point : No data available Series point : No data available Play point : No data available Play point : No data available Flay point : No data available Play point : No data available Flay point : No data available	Appropriate engineering controls	: Either local exhaust or general room ventilation is usually required.
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9.2. Other information	Oxidizing properties	: No data available
	Explosion limits	: No data available
No additional information available	9.2. Other information	
	No additional information available	

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established. Highly flammable liquid and vapor. May form flammable/explosive vapor-air mixture.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame.

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10.5. Incompatible materials	
Strong acids. Strong bases.	
10.6. Hazardous decomposition products	
fume. Carbon monoxide. Carbon dioxide. May re	lease flammable gases.
SECTION 11: Toxicological informat	ion
11.1. Information on toxicological effects	
Acute toxicity	: Oral: Toxic if swallowed. Dermal: Toxic in contact with skin.
Acetone Standard	
ATE CLP (oral)	111.3585746102 mg/kg body weight
ATE CLP (dermal)	334.0757238307 mg/kg body weight
acetone (67-64-1)	
LD50 oral rat	5800 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rabbit	20000 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; >7426 mg/kg
	bodyweight; Rabbit; Weight of evidence)
LC50 inhalation rat (mg/l)	71 mg/l/4h (Rat; Experimental value; 76 mg/l/4h; Rat; Experimental value)
LC50 inhalation rat (ppm)	30000 ppm/4h (Rat; Experimental value)
ATE CLP (oral)	5800 mg/kg body weight
ATE CLP (dermal)	20000 mg/kg body weight
ATE CLP (gases)	30000 ppmV/4h
ATE CLP (vapors)	71 mg/l/4h
ATE CLP (dust, mist)	71 mg/l/4h
methanol (67-56-1)	
LD50 oral rat	> 5000 mg/kg (Rat; BASF test; Literature study; 1187-2769 mg/kg bodyweight; Rat; Weight of evidence)
LD50 dermal rabbit	15800 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (mg/l)	85 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	64000 ppm/4h (Rat; Literature study)
ATE CLP (oral)	100 mg/kg body weight
ATE CLP (dermal)	300 mg/kg body weight
ATE CLP (gases)	700 ppmV/4h
ATE CLP (vapors)	3 mg/l/4h
ATE CLP (dust, mist)	0.5 mg/l/4h
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	Based on available data, the classification criteria are not met : Not classified
	Based on available data, the classification criteria are not met
Respiratory or skin sensitization	: Not classified
	Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
	Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
	Based on available data, the classification criteria are not met May cause cancer
Reproductive toxicity	: Not classified
-	Based on available data, the classification criteria are not met
Specific target organ toxicity – single exposure	: Causes damage to organs.
Specific target organ toxicity – repeated	: Not classified
exposure	Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
	Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	: Toxic if swallowed. Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

10.0

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acetone (67-64-1)	
LC50 fish 2	5540 mg/l (LC50; EU Method C.1; 96 h; Salmo gairdneri; Static system; Fresh water; Experimental value)
EC50 Daphnia 2	12600 mg/l (LC50; Other; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
methanol (67-56-1)	
LC50 fish 1	15400 mg/l (LC50; EPA 660/3 - 75/009; 96 h; Lepomis macrochirus; Flow-through system; Fresh water; Experimental value)
EC50 Daphnia 1	> 10000 mg/l (EC50; DIN 38412-11; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
LC50 fish 2	10800 mg/l (LC50; 96 h; Salmo gairdneri)

12.2. Persistence and degradability	
Acetone Standard	
Persistence and degradability	Not established.
acetone (67-64-1)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	1.43 g O ₂ /g substance
Chemical oxygen demand (COD)	1.92 g O_2 /g substance
ThOD	2.2 g O ₂ /g substance
BOD (% of ThOD)	0.872 (20 days; Literature study)
methanol (67-56-1)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil.
Biochemical oxygen demand (BOD)	0.6 - 1.12 g O ₂ /g substance
Chemical oxygen demand (COD)	1.42 g O_2 /g substance
ThOD	1.5 g O ₂ /g substance
BOD (% of ThOD)	0.8 (Literature study)
12.3. Bioaccumulative potential	
Acetone Standard	
Bioaccumulative potential	Not established.
acetone (67-64-1)	
BCF fish 1	0.69 (BCF)
BCF other aquatic organisms 1	3 (BCF; BCFWIN)
Log Pow	-0.24 (Test data)
Bioaccumulative potential	Not bioaccumulative.
methanol (67-56-1)	
BCF fish 1	< 10 (BCF; 72 h; Leuciscus idus)
Log Pow	-0.77 (Experimental value; Other)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
I2.4. Mobility in soil	
acetone (67-64-1)	
Surface tension	0.0237 N/m
methanol (67-56-1)	
Surface tension	0.023 N/m (20 °C)
Log Koc	Koc,PCKOCWIN v1.66; 1; Calculated value
12.5. Results of PBT and vPvB assessme	
No additional information available	it.
12.6. Other adverse effects	
Additional information	: Avoid release to the environment
SECTION 13: Disposal consideration	S
13.1. Waste treatment methods	
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Handle empty containers with care because residual vapors are flammable.

: Avoid release to the environment. Hazardous waste due to toxicity.

18/12/2017

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 14: Transport information	n
In accordance with ADR / RID / IMDG / IATA /	
14.1. UN number	
UN-No. (ADR)	: 1992
UN-No. (IATA)	: 1992
UN-No. (IMDG)	: 1992
UN-No. (ADN)	: 1992
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: FLAMMABLE LIQUID, TOXIC, N.O.S.
Proper Shipping Name (IATA)	: Flammable liquid, toxic, n.o.s.
Proper Shipping Name (IMDG)	: FLAMMABLE LIQUID, TOXIC, N.O.S.
Proper Shipping Name (ADN)	: FLAMMABLE LIQUID, TOXIC, N.O.S.
Transport document description (ADR)	: UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S. (methanol(67-56-1)), 3 (6.1), II, (D/E)
14.3. Packing group	
Class (ADR)	: 3
Classification code (ADR)	: FT1
Class (IATA)	: 3
Class (IMDG)	: 3
Class (ADN)	: 3
Classification code (ADN)	: FT1
Subsidiary risks (ADR)	: 6.1
Subsidiary risks (IMDG)	: 6.1
Hazard labels (ADR)	: 3, 6.1
Hazard labels (IATA)	: 3, 6.1
Hazard labels (IMDG)	: 3, 6.1
Hazard labels (ADN)	: 3, 6.1
14.4. Packing group	
Packing group (ADR)	: !!
Packing group (IATA)	
Packing group (IMDG) Packing group (ADN)	
14.5. Environmental hazards	
Other information	: No supplementary information available.
14.6. Special precautions for user	
14.6.1. Overland transport	
Hazard identification number (Kemler No.)	: 336
Classification code (ADR)	: FT1

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Orange plates : 336 [1992] Special provision (ADR) : 274 Transport category (ADR) : 2 Turnet restriction code (ADR) : DE Limited quantities (ADR) : 1 Excepted quantities (ADR) : E2 4.5. Transport sea Special provision (MDG) : 1 Excepted quantities (MDG) : 7 Tank instructions (MDG) : 7 Tank instructions (MDG) : 8 Properties and observations (MDG) : 8 CAO qax net quantity (ATA) : 4 CAO qax net quantity (ATA) : 364 CAO max net quantity (ATA)		5 (- /																																																															
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Inland waterway transport Special provision (ADN) : 274, 802 Limited quantities (ADN) : 1 Excepted quantities (ADN) : E2 Carriage permitted (ADN) : T Equipment required (ADN) : PP, EP, EX, TOX, A Ventilation (ADN) : VE01, VE02 Number of blue cones/lights (ADN) : 2 Carriage prohibied (ADN) : No</td><td>Properties and observations (IMDG)</td><td>: Flammable toxic liquid which is not specified by name in this class or, on account of its characteristics, in some other class. Toxic if swallowed, by skin contact or by inhalation.</td></tr><tr><td>CAO max net quantity (IATA):60LPCA packing instructions (IATA):352PCA Limited quantities (IATA):Y341PCA limited quantity max net quantity (IATA):1PCA max net quantity (IATA):1PCA Excepted quantities (IATA):1PCA Excepted quantities (IATA):E2Special provision (IATA):A3ERG code (IATA):3HPthe special provision (ADN)::274, 802Limited quantities (ADN)::1Excepted quantities (ADN)::E2Carriage permitted (ADN)::PP, EP, EX, TOX, AVentilation (ADN)::VE01, VE02Number of blue cones/lights (ADN):2::<td>14.6.3. Air transport</td><td></td></td></tr><tr><td>PCA packing instructions (IATA): 352PCA Limited quantities (IATA): Y341PCA limited quantity max net quantity (IATA): 1LPCA max net quantity (IATA): 1LPCA Excepted quantities (IATA): E2Special provision (IATA): A3ERG code (IATA): 3HP14.6.4. Inland waterway transportSpecial provision (ADN): 274, 802Limited quantities (ADN): 1Excepted quantities (ADN): E2Carriage permitted (ADN): F2Carriage permitted (ADN): TEquipment required (ADN): VE01, VE02Number of blue cones/lights (ADN): 2: VE01, VE02Number of blue cones/lights (ADN): 2</td><td>CAO packing instructions (IATA)</td><td>: 364</td></tr><tr><td>PCA Limited quantities (IATA): Y341PCA limited quantity max net quantity (IATA): 1PCA max net quantity (IATA): 1PCA max net quantity (IATA): 1PCA Excepted quantities (IATA): E2Special provision (IATA): A3ERG code (IATA): 3HPI 4.6.4. 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Inland waterway transportSpecial provision (ADN): 274, 802Limited quantities (ADN): 1 LExcepted quantities (ADN): E2Carriage permitted (ADN): FP, EP, EX, TOX, AVentilation (ADN): VE01, VE02Number of blue cones/lights (ADN): 2Carriage prohibited (ADN): No</td><td>PCA Limited quantities (IATA)</td><td>: Y341</td></tr><tr><td>PCA Excepted quantities (IATA): E2Special provision (IATA): A3ERG code (IATA): 3HP14.6.4. Inland waterway transportSpecial provision (ADN): 274, 802Limited quantities (ADN): 1 LExcepted quantities (ADN): E2Carriage permitted (ADN): TEquipment required (ADN): VE01, VE02Number of blue cones/lights (ADN): 2Carriage prohibited (ADN): No</td><td>PCA limited quantity max net quantity (IATA)</td><td>: 1L</td></tr><tr><td>Special provision (IATA):A3ERG code (IATA):3HP14.6.4. Inland waterway transportSpecial provision (ADN):274, 802Limited quantities (ADN):1 LExcepted quantities (ADN):E2Carriage permitted (ADN):TEquipment required (ADN):PP, EP, EX, TOX, AVentilation (ADN):VE01, VE02Number of blue cones/lights (ADN):2Carriage prohibited (ADN):No</td><td>PCA max net quantity (IATA)</td><td>: 1L</td></tr><tr><td>ERG code (IATA): 3HP14.6.4. Inland waterway transportSpecial provision (ADN): 274, 802Limited quantities (ADN): 1 LExcepted quantities (ADN): E2Carriage permitted (ADN): TEquipment required (ADN): PP, EP, EX, TOX, AVentilation (ADN): VE01, VE02Number of blue cones/lights (ADN): 2Carriage prohibited (ADN): No</td><td></td><td>: E2</td></tr><tr><td>14.6.4. 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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</td><td>Carriage prohibited (ADN)</td><td>: No</td></tr><tr><td></td><td>14.7. Transport in bulk according to Ann</td><td>nex II of MARPOL 73/78 and the IBC Code</td></tr></tr>	Stowage category (IMDG)	: B	CAO packing instructions (IATA) : 364 CAO max net quantity (IATA) : 60L PCA packing instructions (IATA) : 352 PCA Limited quantities (IATA) : Y341 PCA limited quantity max net quantity (IATA) : 1L PCA max net quantity (IATA) : 1L PCA Excepted quantities (IATA) : E2 Special provision (IATA) : A3 ERG code (IATA) : 3HP 14.6.4. 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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

Contains no REACH substances with Annex XVII restrictions Contains no REACH candidate substance Contains no REACH Annex XIV substances.

15.1.2. National regulations

Germany

Water hazard class (WGK)

: 3 - strongly hazardous to water

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	: None.

PHV SDS EU

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