

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 9/23/2019 Version: 1.0

	ance/mixture and of the company/undertaking
1.1. Product identifier Product form	: Mixture
Product name	: Zinc chloride, 0.7M solution in THF
CAS-No.	: 7646-85-7
Product code	: 90026522
Formula	: Cl2 Zn
Product group	: Blend
1.2. Relevant identified uses of the substant	nce or mixture and uses advised against
1.2.1. Relevant identified uses	
Main use category	: Laboratory use,Industrial use,Professional use
Industrial/Professional use spec	: For professional use only
Use of the substance/mixture	: For analytical purposes Scientific research and development Not for human consumption or veterinary purposes.
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of the safety da	ta sheet
Supplier	
Scafell Organics Molekula Ltd Lingfield Way Darlington - England T +44 (0) 1949 823777 / +44 (0) 7590 545705	
info@molekula.com / kbowen@molekula.com - ww	w.molekula.com
1.4. Emergency telephone number Emergency number	: +44 (0) 7590 545705
SECTION 2: Hazards identification 2.1. Classification of the substance or mix	ture
Classification according to Regulation (EC) No.	H225
Flammable liquids, Category 2	
Acute toxicity (oral), Category 4	H302
Skin corrosion/irritation, Category 1B	H314
Carcinogenicity, Category 2	H351
Specific target organ toxicity — Single exposure, C	
Specific target organ toxicity — Single exposure, C- Respiratory tract irritation	ategory 3, H335
Hazardous to the aquatic environment — Chronic H	lazard, Category 1 H410
Full text of H statements : see section 16	
Adverse physicochemical, human health and er No additional information available 2.2. Label elements	nvironmental effects
Labelling according to Regulation (EC) No. 1272 Hazard pictograms (CLP)	
	GHS07 GHS08 GHS02 GHS05 GHS09
Signal word (CLD)	
Signal word (CLP)	
Hazardous ingredients	: ZINC CHLORIDE ANHYDROUS; Tetrahydrofuran
Hazard statements (CLP)	: H225 - Highly flammable liquid and vapour. H302 - Harmful if swallowed. H314 - Causes severe skin burns and eye damage.

- es severe skin burn nd e amage.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer.
- H410 Very toxic to aquatic life with long lasting effects.

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Precautionary statements (CLP)	<ul> <li>P201 - Obtain special instructions before use.</li> <li>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> <li>P273 - Avoid release to the environment.</li> <li>P280 - Wear protective gloves/protective clothing/eye protection/face protection.</li> <li>P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.</li> <li>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P308+P313 - IF exposed or concerned: Get medical advice/attention.</li> </ul>
EUH-statements	: EUH019 - May form explosive peroxides.

#### 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 Not applicable

3.2. Mixtures			
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Tetrahydrofuran	(CAS-No.) 109-99-9 (EC-No.) 203-726-8 (EC Index-No.) 603-025-00-0	88 - 92	Flam. Liq. 2, H225 Carc. 2, H351 Eye Irrit. 2, H319 STOT SE 3, H335
ZINC CHLORIDE ANHYDROUS	(CAS-No.) 7646-85-7 (EC-No.) 231-592-0 (EC Index-No.) 030-003-00-2	8 - 12	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Specific concentration limits:			
Name	Product identifier	Specific con	centration limits
Tetrahydrofuran	(CAS-No.) 109-99-9 (EC-No.) 203-726-8 (EC Index-No.) 603-025-00-0	(C >= 25) STO (C >= 25) Eye	
ZINC CHLORIDE ANHYDROUS	(CAS-No.) 7646-85-7 (EC-No.) 231-592-0 (EC Index-No.) 030-003-00-2	(C >= 5) STOT	SE 3, H335

Full text of H-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: If possible show this sheet, if not available show packaging or label. Never give anything by mouth to an unconscious person. Do not leave affected person unattended.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary. If breathing difficulties persist : Get medical advice/attention.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Do not remove clothing if it sticks to the skin. If irritation persists, consult a doctor.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth out with water. Do not induce vomiting. Get medical advice/attention.
4.2. Most important symptoms and eff	ects, both acute and delayed
Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after inhalation	: Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea.
Symptoms/effects after skin contact	: Causes severe burns. May produce skin irritation, blistering, ulcers, and deep scarring.
Symptoms/effects after eye contact	: Causes serious eye damage. May cause severe chemical burns to skin and cornea. Blurred vision. redness, itching, tears.
Symptoms/effects after ingestion	: Harmful if swallowed. Symptoms of ingestion include drowsiness, weakness, headache, dizziness, nausea, vomiting. burns of the upper digestive and respiratory tracts, abdominal pain, bloody vomiting, severe damage to the delicate tissue and danger of perforation.
Chronic symptoms	: Suspected of causing cancer.

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

SECTION 5: Firefighting measures 5.1. Extinguishing media	
Suitable extinguishing media	: Dry powder. Sand. Water spray. Carbon dioxide. Foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the substa	nce or mixture
Fire hazard	: Flammable liquid and vapour.
Explosion hazard	: May form flammable/explosive vapour-air mixture. May form explosive peroxides.
Hazardous decomposition products in case of fire	: Carbon oxides (CO, CO2). Corrosive vapours. Zinc oxide.
5.3. Advice for firefighters	
Precautionary measures fire	: Keep container tightly closed and away from heat, sparks and flame. Keep away from combustible materials.
Firefighting instructions	: Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Wear recommended personal protective equipment. Use self-contained breathing apparatus and chemically protective clothing.
Other information	: Warn all persons of toxic hazard.

SECTION 6: Accidental release measures			
6.1. Personal precautions, protective equipment and emergency procedures			
General measures	: Do not handle until all safety precautions have been read and understood. Ventilate the area thoroughly, especially low lying areas (basements, workpits etc). Keep away from combustible materials.		
6.1.1. For non-emergency personnel			
Protective equipment	: Wear recommended personal protective equipment.		
Emergency procedures	: Evacuate unnecessary personnel. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Do not touch or walk on the spilled product. Avoid contact with skin, eyes and clothing.		
Measures in case of dust release	: Shelter from vapours by keeping upwind. Ventilate the area thoroughly, especially low lying areas (basements, workpits etc). Special attention should be given to low areas/pits where flammable vapours can accumulate.		
6.1.2. For emergency responders			
Protective equipment	: Do not attempt to take action without suitable protective equipment. Use self-contained breathing apparatus and chemically protective clothing.		
Emergency procedures	: Ventilate area.		
6.2. Environmental precautions			
Prevent entry to sewers and public waters. Notify aut	horities if liquid enters sewers or public waters.		
6.3. Methods and material for containment a			
For containment	: Collect spillage. Contain the spilled material by bunding.		
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Try to stop release if without risk.		

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Additional hazards when processed	: Handle empty containers with care because residual vapours are flammable. Should crystals form in a peroxidizable liquid, peroxidation may have occurred and the produc should be considered extremely dangerous.	t
Precautions for safe handling	: Avoid formation of vapours. Avoid contact with skin, eyes and clothing. Do not handle all safety precautions have been read and understood. Ensure that there is a suitable ventilation system. Do not handle in a confined space. Handle under inert gas.	until
Hygiene measures	: Take off immediately all contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace. Wash hands and other expo areas with mild soap and water before eating, drinking or smoking and when leaving w Do not eat, drink or smoke when using this product.	sed
7.2. Conditions for safe storage, including a	ny incompatibilities	
Technical measures	: Ensure adequate ventilation, especially in confined areas. Proper grounding procedure avoid static electricity should be followed.	es to
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Heat sources, Direct sunlight. Keep container closed when not in use. Store contents under gas.	inert
Incompatible products	: Strong oxidizing agents. Strong bases. Strong acids.	
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Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources. open flames. sparks.
Storage temperature	: 2 - 8 °C
Heat and ignition sources	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Information on mixed storage	: May form explosive peroxides.
Storage area	: Keep away from combustible materials. Store in a dry place. Store in a closed container.
<b>7 0</b> = <b>0</b>	

7.3. Specific end use(s)

For analytical purposes. Scientific research and development. Not for human consumption or veterinary purposes.

8.1. Control parameters	controls/personal protection			
Zinc chloride, 0.7M soluti	Zinc chloride, 0.7M solution in THF (7646-85-7)			
United Kingdom	Local name	Zinc chloride		
United Kingdom	WEL TWA (mg/m³)	1 mg/m³ fume		
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	2 mg/m³ fume		
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE		
ZINC CHLORIDE ANHYDROUS (7646-85-7)				
United Kingdom	Local name	Zinc chloride		
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1 mg/m³ fume		
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	2 mg/m³ fume		
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE		

Tetrahydrofuran (109	9-99-9)	
United Kingdom	Local name	Tetrahydrofuran
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	150 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	50 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	100 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE
8.2. Exposure control	ls	

### Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety procedures. Floors should be impervious, resistant to liquids and easy to clean.

Personal protective equipment:

#### Avoid all unnecessary exposure.

#### Materials for protective clothing: Wear suitable protective clothing, gloves and eye/face protection Hand protection: The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard EN 374 Туре Material Permeation Standard Thickness (mm) Penetration Disposable gloves Fluoroelastomer 6 (> 480 minutes) 0.7 EN 374 (FKM) Eye protection: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Use eye protection according to EN 166, designed to protect against liquid splashes.

Туре	Use	Characteristics	Standard
Safety goggles, Face shield	Droplet, vapours	tightly fitting safety goggles, With side shields	EN 166

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#### Skin and body protection:

Emergency safety showers should be available in the immediate vicinity of any potential exposure. Keep suitable chemically resistant protective clothing readily available for emergency use

Total impervious protective suits, gloves, and boots must be worn to prevent any contact with the product, Flame retardant antistatic protective clothingEN 1	N 14605

### **Respiratory protection:**

Keep self contained breathing apparatus readily available for emergency use. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

Device	Filter type	Condition	Standard
Air-Purifying Respirator (APR), reusable	ABEK	Moist condition, Mist formation, Protection for Liquid particles, Vapour protection	EN 14387

### Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties 9.1. Information on basic physical and chemical properties				
Physical state	: Liquid			
Molecular mass	: 136.29 g/mol			
Colour	: Colourless.			
Odour	: No data available.			
Odour threshold	: No data available			
рН	: No data available			
Relative evaporation rate (butylacetate=1)	: No data available			
Melting point	: No data available			
Freezing point	: No data available			
Boiling point	: 66 °C			
Flash point	: -22 °C			
Auto-ignition temperature	: No data available			
Decomposition temperature	: No data available			
Flammability (solid, gas)	: Flammable			
Vapour pressure	: No data available			
Relative vapour density at 20 °C	: No data available			
Relative density	: 0.98			
Solubility	: No data available			
Log Pow	: No data available			
Viscosity, kinematic	: No data available			
Viscosity, dynamic	: No data available			
Explosive properties	: No data available			
Oxidising properties	: No data available			
Explosive limits	: No data available			
9.2. Other information				
No additional information available				

SECTION 10: Stability and reactivity
10.1. Reactivity
Flammable liquid and vapour.
10.2. Chemical stability
Flammable liquid and vapour. May form flammable/explosive vapour-air mixture. May form explosive peroxides.
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
10.5. Incompatible materials
Strong oxidizers. Strong acids. Strong bases.

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### **10.6. Hazardous decomposition products**

No hazardous decomposition products known at room temperature. Thermal decomposition generates : Carbon oxides (CO, CO2). Corrosive vapours. zinc oxide.

SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Oral: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
ATE CLP (oral)	1253.799 mg/kg bodyweight
ZINC CHLORIDE ANHYDROUS (7646-85-7)	
LD50 oral rat	350 mg/kg
LC50 inhalation rat (mg/l)	2000 mg/m <sup>3</sup>
T ( ) ( ( ) ( ( ) ( ) ( ) ( ) ( ) ( ) (	
Tetrahydrofuran (109-99-9)	
LD50 oral rat	1650 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	14.7 mg/l 6h
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Serious eye damage, category 1, implicit
Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Suspected of causing cancer.
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: May cause drowsiness or dizziness. May cause respiratory irritation.
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
, Additional information	: Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information	
12.1. Toxicity	
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Very toxic to aquatic life with long lasting effects.
ZINC CHLORIDE ANHYDROUS (7646-85-7)	
LC50 fish 1	0.4 - 2.2 mg/l Cyprinus carpio (Carp)
EC50 Daphnia 1	0.2 mg/l
Tetrahydrofuran (109-99-9)	

Tetrahydrofuran (109-99-9)		
LC50 fish 1	2160 mg/l Pimephales promelas (fathead marrow)	
EC50 Daphnia 1	382 mg/l 24h	
12.2. Persistence and degradability		
Zinc chloride, 0.7M solution in THF (7646-	5-7)	
Persistence and degradability	No data available.	
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Persistence and degradability	May cause long-term adverse effects in the environment.
Tetrahydrofuran (109-99-9)	
Persistence and degradability	Not biodegradable.
12.3. Bioaccumulative potential	
Zinc chloride, 0.7M solution in THF (764	l6-85-7)
Bioaccumulative potential	No data available.
ZINC CHLORIDE ANHYDROUS (7646-85	;-7)
Bioaccumulative potential	Not potentially bioaccumulable.
Tetrahydrofuran (109-99-9)	
Log Pow	0.46
Bioaccumulative potential	Not potentially bioaccumulable.
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessm	
Zinc chloride, 0.7M solution in THF (764	6-85-7)
This substance/mixture does not meet the PBT	criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvE	criteria of REACH regulation, annex XIII
Component	
Tetrahydrofuran (109-99-9)	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. Other adverse effects	
Additional information	: Avoid release to the environment.

SECTION 13: Disposal considerations	
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 vapours are flammable.
Ecology - waste materials	: Avoid release to the environment.

	) / IMDG / IATA / ADN			
ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
2924	2924	2924	2924	2924
14.2. UN proper shipping	g name			
FLAMMABLE LIQUID, CORROSIVE, N.O.S.	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	Flammable liquid, corrosive, n.o.s.	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	FLAMMABLE LIQUID, CORROSIVE, N.O.S.
Transport document descr	iption			
UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Zinc chloride, 0.7M solution in THF), 3 (8), II, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Zinc chloride, 0.7M solution in THF), 3 (8), II, MARINE POLLUTANT/ENVIRONME NTALLY HAZARDOUS	UN 2924 Flammable liquid, corrosive, n.o.s. (Zinc chloride, 0.7M solution in THF), 3 (8), II, ENVIRONMENTALLY HAZARDOUS	UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Zinc chloride, 0.7M solution in THF), 3 (8), II, ENVIRONMENTALLY HAZARDOUS	UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Zinc chloride, 0.7M solution in THF), 3 (8), II, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
3 (8)	3 (8)	3 (8)	3 (8)	3 (8)

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II     II     II     II     II       14.5. Environmental hazards       Dangerous for the environment: Yes     Dangerous for     Dangerous for the environme						
II     II     II     II     II       14.5. Environmental hazards       Dangerous for the environment: Yes     Dangerous for     Dangerous for the environme		$\checkmark$		$\checkmark$	$\sim$	
14.5. Environmental hazards       Dangerous for the environment: Yes       Dangerous for the envi	14.4. Packing group					
Dangerous for the environment: Yes           No supplementary information available         14.6. Special processions (ADR)         : FC           Special provisions (ADR)         : 11         :           Excopped quantities (ADR)         : P001, IBC02           Mixer pollutaria         : T11           (ADR)         : LdBH           Veriable for tank and bulk container instructions         : T12, TP27           (ADR)         : LdBH           Vehicle for tank carriage         : FL           Transport category (ADR)         : 2           Special provisions for carriage - Operation (ADR)         : S2, S20           Hazard identification number (Kemier No.)         : 338           Orange plates         : 338           EQ code         : A(II)           Transport category (MDG)         : FL2           Special provisions (MDG) <td>II</td> <td>Ш</td> <td></td> <td>II</td> <td>II</td> <td>II</td>	II	Ш		II	II	II
environment: Yes           14.6. Special processions code (ADR)         : <td< td=""><td>14.5. Environmental haz</td><td>ards</td><td></td><td></td><td></td><td></td></td<>	14.5. Environmental haz	ards				
14.6. Special precautions for user         Overland transport         Classification code (ADR)       : FC         Special provisions (ADR)       : 274         Limited quantities (ADR)       : E2         Packing instructions (ADR)       : P001, IBC02         Mixed packing provisions (ADR)       : P11         Excepted quantities (AOR)       : MP19         Portable tank and bulk container instructions       : T11         (ADR)       : L4BH         Vehicle for tank carriage       : FL         Transport category (ADR)       : 22         Special provisions for carriage       : FL         Transport category (ADR)       : 2338         Orange plates       : 3338         Unnel restriction code (ADR)       : D/E         EAC code       : 33WE         APP code       : AWE         Special provisions (IMDG)       : 274         Packing instructions (IMDG)       : FP2, TP27         Tank instructions (IMDG)       : 274         Packing instructions (IMDG)       : 274         Packing instructions (IMDG)       : 274         Packing instructions (IMDG)       : FP2, TP27         EmSN-to (Spillage)       : S-C         Stowage category (IMDG)       : FE </td <td></td> <td>environment : Yes</td> <td>S</td> <td></td> <td></td> <td></td>		environment : Yes	S			
14.6. Special precautions for user         Overland transport         Classification code (ADR)       : FC         Special provisions (ADR)       : 274         Limited quantities (ADR)       : E2         Packing instructions (ADR)       : P001, IBC02         Mixed packing provisions (ADR)       : P11         Excepted quantities (AOR)       : MP19         Portable tank and bulk container instructions       : T11         (ADR)       : L4BH         Vehicle for tank carriage       : FL         Transport category (ADR)       : 22         Special provisions for carriage       : FL         Transport category (ADR)       : 2338         Orange plates       : 3338         Unnel restriction code (ADR)       : D/E         EAC code       : 33WE         APP code       : AWE         Special provisions (IMDG)       : 274         Packing instructions (IMDG)       : FP2, TP27         Tank instructions (IMDG)       : 274         Packing instructions (IMDG)       : 274         Packing instructions (IMDG)       : 274         Packing instructions (IMDG)       : FP2, TP27         EmSN-to (Spillage)       : S-C         Stowage category (IMDG)       : FE </td <td>No supplementary informatio</td> <td>on available</td> <td></td> <td></td> <td></td> <td></td>	No supplementary informatio	on available				
Classification code (ADR): FCSpecial provisions (ADR): 274Excepted quantities (ADR): E2Packing instructions (ADR): E901, IBC02Mixed packing provisions (ADR): M*19Portable tank and buk container instructions: T11Portable tank and buk container special provisions: TP2, TP27Portable tank and buk container special provisions: FLTank code (ADR): L4BHVehicle for tank carriage: FLTransport calegory (ADR): 2Special provisions for carriage - Operation (ADR): 338Qrange plates: JDECharles (ADR): DEEAC code: SVEAPP code: DEPacking instructions (IMDG): DESpecial provisions (IMDG): SP01IBC packing instructions (IMDG): BC02Tank special provisions (IMDG): SP01IBC packing instructions (IMDG): BC02Tank special provisions (IMDG): BC02Tank special provisions (IMDG): FEEmS-No. (File): BC02Stowage category (IMDG): SN2Properties and tobesrations (IMDG): BC02Stowage category (IMDG): SN2Properties and substructions (IMDG): SN2Properties and cobesrations (IMDG): SN2Properties and cobesrations (IMDG): SN2Properties and cobesrations (IMDC): SN2Properties and cobesrations (IMDC): SN2Properties and cobesrations (IMDC): SN2Properties and cobesrations (						
Special provisions (ADR): 274Limited quantilies (ADR): 11Excepted quantilies (ADR): P001, IBC02Mixed packing provisions (ADR): MP19Ortable tank and bulk container instructions (ADR): T11Portable tank and bulk container special provisions: TP2, TP27ADROB: L4BHVehicle for tank carriage: ELSpecial provisions for carriage - Operation (ADR): S2, S20Hazard identification number (Kemler No.): S33Orange plates: JDEEAC code: SWEAPP code: SWEPortable tank (IMDG): SUEPortable tank (IMDG): SUEPransport tank (IMDG): DEEAC code: SWEPransport by see: SUEPransport by see: SUESpecial provisions (IMDG): SP2, TP27Pashing instructions (IMDG): SUEBC packing instructions (IMDG): SUEBC packing instructions (IMDG): SUETank special provisions (IMDG): TP2, TP27Pashon, (Fire): SUEBC sec port (IMDG): SUEBC sec port (IMDG): SUEBC sec port (IMDG): SUEBC sec port (IMDG): SUEStowage and provisions (IMDG): SUEStowage and provision	Overland transport					
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CAO packing instructions (IATA) : 363	PCA max net quantity (IATA)		: 1L			
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### Safety Data Sheet

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

	а ( )
CAO max net quantity (IATA)	: 5L
Special provisions (IATA)	: A3, A803
ERG code (IATA)	: 3CH
Inland waterway transport	
Classification code (ADN)	: FC
Special provisions (ADN)	: 274
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E2
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 1
Rail transport	
Classification code (RID)	: FC
Special provisions (RID)	: 274
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P001, IBC02
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T11
Portable tank and bulk container special provisions (RID)	: TP2, TP27
Tank codes for RID tanks (RID)	: L4BH
Transport category (RID)	: 2
Colis express (express parcels) (RID)	: CE7
Hazard identification number (RID)	: 338
14.7. Transport in bulk according to Annex	II of Marpol and the IBC Code
Not applicable	

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 substance on the REACH candidate list Contains no REACH Annex XIV substances Directive 2012/18/EU (SEVESO III)

### 15.1.2. National regulations

#### No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

<b>SECTION 16: Other in</b>	formation		
Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling 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.		
Full text of H- and EUH-sta	atements:		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4		
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1		

Aqualic Acule 1	hazardous to the aquatic environment — Acute hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

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

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH019	May form explosive peroxides.

SDS EU (REACH Annex II)

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.