

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Reference number: 01349 Issue date: 4/29/2024 Revision date: 4/29/2024 Supersedes version of: 4/25/2016 Version: 1.0

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking **1.1. Product identifier** Product form • Substance Trade name AMMONIUM SULPHAMATE EXTRA PURE EC-No. 231-871-7 CAS-No. • 7773-06-0 Product code • 01349 Inorganic compound Type of product : [NH4]SO3NH2 Formula Chemical structure ${\rm NH_4}^+$ ŝ -0- $-NH_2$ Ω : Ammonium amidosulphonate Synonyms 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 chemicals, Manufacture of substances 1.2.2. Uses advised against No additional information available 1.3. Details of the supplier of the safety data sheet LOBA CHEMIE PVT.LTD. 107 Wode House Road, Jehangir Villa, Colaba 400005 Mumbai INDIA T +91 22 6663 6663, F +91 22 6663 6699 info@lobachemie.com, www.lobachemie.com 1.4. Emergency telephone number : + 91 22 6663 6663 (9:00am - 6:00 pm) Emergency number **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

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

Acute toxicity (oral), Category 4H302Hazardous to the aquatic environment – Acute Hazard,H400Category 1Full text of H- and EUH-statements: see section 16

## Adverse physicochemical, human health and environmental effects

Harmful if swallowed. Very toxic to aquatic life.

# 2.2. Label elements

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

Hazard pictograms (CLP)



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Signal word (CLP) Hazard statements (CLP)	<ul> <li>Warning</li> <li>H302 - Harmful if swallowed.</li> <li>H400 - Very toxic to aquatic life.</li> </ul>
Precautionary statements (CLP)	: P273 - Avoid release to the environment. P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell. P330 - Rinse mouth.
Nordic countries regulation	
<b>Denmark</b> MAL code	: 00-3 (Executive Order No. 301 from 1993)

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients		
3.1. Substances		
Substance type	: Mono-constituent	
Name	Product identifier	%
AMMONIUM SULPHAMATE	CAS-No.: 7773-06-0 EC-No.: 231-871-7	100
	1	

# 3.2. Mixtures

Not applicable

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general First-aid measures after inhalation	<ul> <li>Call a poison center or a doctor if you feel unwell.</li> <li>Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.</li> </ul>
First-aid measures after skin contact	: Wash with plenty of water/ Get immediate medical advice/attention. Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Get medical advice/attention. Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Rinse mouth. Call a POISON CENTER/doctor if you feel unwell. Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and ef	fects, both acute and delayed
Symptoms/effects after inhalation	: Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure. Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing.
Symptoms/effects after eye contact Symptoms/effects after ingestion	<ul> <li>None under normal conditions. Dust from this product may cause eye irritation.</li> <li>Harmful if swallowed.</li> </ul>

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

Treat symptomatically.

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SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	<ul><li>Carbon dioxide. Dry powder. Foam. Water spray.</li><li>Do not use a heavy water stream.</li></ul>
5.2. Special hazards arising from the subst	tance or mixture
Fire hazard Explosion hazard Hazardous decomposition products in case of fire	<ul> <li>No fire hazard.</li> <li>No direct explosion hazard.</li> <li>Toxic fumes may be released.</li> </ul>
5.3. Advice for firefighters	
Firefighting instructions Protection during firefighting	<ul> <li>Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.</li> <li>Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.</li> </ul>

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equip	ment and emergency procedures	
General measures	: Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.	
6.1.1. For non-emergency personnel		
Protective equipment	: Wear recommended personal protective equipment.	
Emergency procedures	: Ventilate spillage area. Evacuate unnecessary personnel.	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection".	
Emergency procedures	: Evacuate unnecessary personnel.	

Avoid release to the environment. Very toxic to aquatic life.

6.3. Methods and material for containment and cleaning up	
For containment Methods for cleaning up	<ul> <li>Collect spillage.</li> <li>Mechanically recover the product. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers.</li> </ul>
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	

For further information refer to section 13.

6.2. Environmental precautions

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed Precautions for safe handling	<ul> <li>Not expected to present a significant hazard under anticipated conditions of normal use.</li> <li>Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapours. Avoid dust formation.</li> </ul>
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Always wash hands after handling the product.

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7.2. Conditions for safe storage, including any incompatibilities		
Technical measures	: Keep in a cool, well-ventilated place away from heat.	
Storage conditions	: Store in a well-ventilated place. Keep container tightly closed.	
Packaging materials	: Store always product in container of same material as original container.	

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

No additional information available

#### 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

No additional information available

#### 8.1.5. Control banding

No additional information available

8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

### Personal protective equipment:

Wear recommended personal protective equipment. Personal protective equipment symbol(s):



### 8.2.2.1. Eye and face protection

**Eye protection:** Chemical goggles or safety glasses

#### 8.2.2.2. Skin protection

Skin and body protection: Wear a mask

Hand protection: Protective gloves

8.2.2.3. Respiratory protection

**Respiratory protection:** Wear appropriate mask

8.2.2.4. Thermal hazards

No additional information available

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#### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

# SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: White.
Appearance	: Crystalline powder.
Molecular mass	: 114.12 g/mol
Odour	: Odourless.
Odour threshold	: Not available
Melting point	: 131 – 134 °C
Freezing point	: Not applicable
Boiling point	: 160 °C (Decomposes)
Flammability	: Non flammable.
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
рН	: 5-6.5
pH solution concentration	: 5%
Viscosity, kinematic	: Not applicable
Solubility	: Water: 114.1 g/l at 20 °C - very soluble
	Ethanol: Slightly soluble
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Negligible at 20 °C
Vapour pressure at 50°C	: Not available
Density	: 1.769 g/cm³
Relative density	: Not available
Relative vapour density at 20°C	: Not applicable
Particle size	: Not available

### 9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

**10.2. Chemical stability** 

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

**10.4. Conditions to avoid** 

Direct sunlight. Air contact. Moisture.

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## 10.5. Incompatible materials

## No additional information available

## 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008         Acute toxicity (oral)       : Harmful if swallowed.         Acute toxicity (dermal)       : Not classified         Acute toxicity (inhalation)       : Not classified         Skin corrosion/irritation       : Not classified         pH: 5 - 6.5       pH: 5 - 6.5         Serious eye damage/irritation       : Not classified         pH: 5 - 6.5       pH: 5 - 6.5         Respiratory or skin sensitisation       : Not classified         Garcinogenicity       : Not classified         Garcinogenicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Aspiration hazard       : Not classified         Aspiration hazard       : Not classified         Viscosity, kinematic       Not classified         11.2. Information on other hazards       Not applicable         11.2.1. Endocrine disrupting properties       Not additional information available         11.2.2. Other information       : Harmful if swallowed. symptoms         SECTION 12: Ecological information       : Harmful if swallowed. symptoms	SECTION 11: Toxicological informatio	on
Acute toxicity (dermal) : Not classified Acute toxicity (inhalation) : Not classified Skin corrosion/irritation : Not classified pH: 5 - 6.5 Serious eye damage/irritation : Not classified Gern cell mutagenicity : Not classified Carcinogenicity : Not classified Carcinogenicity : Not classified STOT-single exposure : Not classified STOT-repeated exposure : Not classified Aximation hazard : Not classified Aximation hazard : Not classified Aximation hazard : Not classified <b>AMMONIUM SULPHAMATE EXTRA PURE (7773-06-0)</b> Viscosity, kinematic : Not applicable <b>11.2. Information on other hazards</b> <b>11.2. Other information</b> Potential adverse human health effects and : Harmful if swallowed. symptoms	11.1. Information on hazard classes as def	fined in Regulation (EC) No 1272/2008
Acute toxicity (inhalation)       : Not classified         Skin corrosion/irritation       : Not classified         pH: 5 - 6.5       Prist - 6.5         Serious eye damage/irritation       : Not classified         gern cell mutagenicity       : Not classified         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Action hazard       : Not classified         Application hazard       : Not classified         Aspiration hazard       : Not classified         Atmonium SULPHAMATE EXTRA PURE (7773-06-0)       Viscosity, kinematic         Viscosity, kinematic       Not applicable         11.2.1. Information on other hazards       Information available         11.2.2. Other information       : Harmful if swallowed.         symptoms       : Harmful if swallowed.	Acute toxicity (oral)	: Harmful if swallowed.
Skin corrosion/irritation       : Not classified         pH: 5 - 6.5         Serious eye damage/irritation       : Not classified         pH: 5 - 6.5         Respiratory or skin sensitisation       : Not classified         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Carcinogenicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Aspiration hazard       : Not classified         Aspiration hazard       : Not classified         AtmONIUM SULPHAMATE EXTRA PURE (7773-06-0)       Viscosity, kinematic         Viscosity, kinematic       Not applicable         11.2. Information on other hazards       Information available         11.2.1. Endocrine disrupting properties       Not additional information available         11.2.2. Other information       : Harmful if swallowed. symptoms		
pH: 5 - 6.5         Serious eye damage/irritation       : Not classified         pH: 5 - 6.5         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         AMMONIUM SULPHAMATE EXTRA PURE (7773-06-0)       Viscosity, kinematic         Viscosity, kinematic       Not applicable         11.2.1. Endocrine disrupting properties       No additional information available         11.2.2. Other information       : Harmful if swallowed.         symptoms       : Harmful if swallowed.		
pH: 5 - 6.5         Respiratory or skin sensitisation         iiii S - 6.5         Respiratory or skin sensitisation         iiii S - 6.5         Respiratory or skin sensitisation         iiiii S - 6.5         Respiratory or skin sensitisation         iiiii S - 6.5         Respiratory or skin sensitisation         iiiiii S - 6.5         Respiratory or skin sensitisation         iiiii S - 6.5         Respiratory or skin sensitisation         S TOT-single exposure         iiiii N - Soure         S TOT-repeated exposure         iiiiii N - Soure         S TOT-repeated exposure         iiiiiiii N - Soure         AMMONIUM SULPHAMATE EXTRA PURE (7773-06-0)         Viscosity, kinematic         Not applicable         11.2.1. Endocrine disrupting properties         No additional information available         11.2.2. Other information         Potential adverse human health effects and symptoms         Iiiiii S wallowed.         Sympt	Skin corrosion/irritation	
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         Aspiration hazard       : Not classified         Aspiration hazard       : Not classified         AMMONIUM SULPHAMATE EXTRA PURE (7773-06-0)       Viscosity, kinematic         Viscosity, kinematic       Not applicable         11.2. Information on other hazards       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 : Harmful if swallowed.         symptoms       :	Serious eye damage/irritation	
Carcinogenicity : Not classified Reproductive toxicity : Not classified STOT-single exposure : Not classified STOT-repeated exposure : Not classified Aspiration hazard : Not classified AMMONIUM SULPHAMATE EXTRA PURE (7773-06-0) Viscosity, kinematic Not applicable 11.2.1 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 : Harmful if swallowed. symptoms	Respiratory or skin sensitisation	Not classified
Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Aspiration hazard       : Not classified         AMMONIUM SULPHAMATE EXTRA PURE (7773-06-0)       Viscosity, kinematic         Viscosity, kinematic       Not applicable         11.2.1. Information on other hazards       Information on other hazards         11.2.2. Other information       Potential adverse human health effects and symptoms         Potential adverse human health effects and symptoms       : Harmful if swallowed.	Germ cell mutagenicity	: Not classified
STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Aspiration hazard       : Not classified         Aspiration hazard       : Not classified         AMMONIUM SULPHAMATE EXTRA PURE (7773-06-0)       Viscosity, kinematic         Viscosity, kinematic       Not applicable         11.2. Information on other hazards       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         :       Harmful if swallowed.	Carcinogenicity	: Not classified
STOT-repeated exposure       : Not classified         Aspiration hazard       : Not classified         AMMONIUM SULPHAMATE EXTRA PURE (7773-06-0)         Viscosity, kinematic       Not applicable         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         : Harmful if swallowed.	Reproductive toxicity	: Not classified
Aspiration hazard : Not classified          Aspiration hazard       : Not classified         AMMONIUM SULPHAMATE EXTRA PURE (7773-06-0)         Viscosity, kinematic       Not applicable         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	STOT-single exposure	: Not classified
AMMONIUM SULPHAMATE EXTRA PURE (7773-06-0)         Viscosity, kinematic       Not applicable         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	STOT-repeated exposure	: Not classified
Viscosity, kinematic       Not applicable         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	Aspiration hazard	: Not classified
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11.2.1. Endocrine disrupting properties         No additional information available         11.2.2. Other information         Potential adverse human health effects and symptoms	Viscosity, kinematic	Not applicable
No additional information available          11.2.2. Other information         Potential adverse human health effects and symptoms	11.2. Information on other hazards	
Potential adverse human health effects and : Harmful if swallowed. symptoms		
symptoms	11.2.2. Other information	
SECTION 12: Ecological information		: Harmful if swallowed.
	SECTION 12: Ecological information	
12.1. Toxicity	12.1 Toxicity	

Ecology - general	: Very toxic to aquatic life.
Ecology - water	: Very toxic to aquatic life.
Hazardous to the aquatic environment, short-term	: Very toxic to aquatic life.
(acute)	
Hazardous to the aquatic environment, long-term	: Not classified
(chronic)	

12.2. Persistence and degradability

AMMONIUM SULPHAMATE EXTRA PURE (7773-06-0)	
Persistence and degradability Rapidly degradable	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	

### No additional information available

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12.5. Results of PBT and vPvB assessment	
No additional information available	
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	

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	<ul> <li>Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Disposal must be done according to official regulations.</li> </ul>
Additional information	: Do not re-use empty containers.

# SECTION 14: Transport information

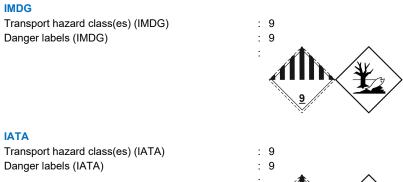
In accordance with ADR / IMDG / IATA / ADN / RID

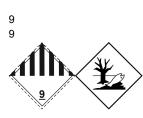
14.1. UN number or ID number	
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)	: UN 3077 : UN 3077 : UN 3077 : UN 3077 : UN 3077
14.2. UN proper shipping name	
Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID) Transport document description (ADR) Transport document description (IMDG) Transport document description (IATA) Transport document description (ADN) Transport document description (RID)	<ul> <li>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.</li> <li>UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (AMMONIUM SULPHAMATE), 9, III, (-)</li> <li>UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III, MARINE POLLUTANT</li> <li>UN 3077 Environmentally hazardous substance, solid, n.o.s. (AMMONIUM SULPHAMATE), 9, III</li> <li>UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III</li> <li>UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III</li> </ul>
14.3. Transport hazard class(es)	
ADR Transport hazard class(es) (ADR) Danger labels (ADR)	: 9 : 9



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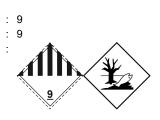
according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878





## ADN

Transport hazard class(es) (ADN) Danger labels (ADN)



## RID

Transport hazard class(es) (RID) Danger labels (RID)



14.4. Packing group	
Packing group (ADR)	: III : III
Packing group (IMDG)	
Packing group (IATA) Packing group (ADN)	
Packing group (RID)	· ···· : III
	. 11
14.5. Environmental hazards	
Dangerous for the environment	: Yes
Marine pollutant	: Yes
Other information	: No supplementary information available
14.6. Special precautions for user Overland transport	
· · · · · · · · · · · · · · · · · · ·	
Classification code (ADK)	: M7
Classification code (ADR) Special provisions (ADR)	: M7 : 274, 335, 375, 601
Special provisions (ADR) Limited quantities (ADR)	: M7 : 274, 335, 375, 601 : 5kg
Special provisions (ADR)	: 274, 335, 375, 601
Special provisions (ADR) Limited quantities (ADR)	: 274, 335, 375, 601 : 5kg
Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR)	: 274, 335, 375, 601 : 5kg : E1
Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR)	: 274, 335, 375, 601 : 5kg : E1 : P002, IBC08, LP02, R001
Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Special packing provisions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container instructions (ADR)	<ul> <li>274, 335, 375, 601</li> <li>5kg</li> <li>E1</li> <li>P002, IBC08, LP02, R001</li> <li>PP12, B3</li> <li>MP10</li> <li>T1, BK1, BK2, BK3</li> </ul>
Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Special packing provisions (ADR) Mixed packing provisions (ADR)	<ul> <li>274, 335, 375, 601</li> <li>5kg</li> <li>E1</li> <li>P002, IBC08, LP02, R001</li> <li>PP12, B3</li> <li>MP10</li> </ul>
Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Special packing provisions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container instructions (ADR) Portable tank and bulk container special provisions	<ul> <li>274, 335, 375, 601</li> <li>5kg</li> <li>E1</li> <li>P002, IBC08, LP02, R001</li> <li>PP12, B3</li> <li>MP10</li> <li>T1, BK1, BK2, BK3</li> </ul>
Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Special packing provisions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container instructions (ADR) Portable tank and bulk container special provisions (ADR)	<ul> <li>274, 335, 375, 601</li> <li>5kg</li> <li>E1</li> <li>P002, IBC08, LP02, R001</li> <li>PP12, B3</li> <li>MP10</li> <li>T1, BK1, BK2, BK3</li> <li>TP33</li> </ul>

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Special provisions for carriage - Packages (ADR)	: V13
Special provisions for carriage - Bulk (ADR)	: VC1, VC2
Special provisions for carriage - Loading, unloading	: CV13
and handling (ADR)	
Hazard identification number (Kemler No.)	: 90
Orange plates	<sup>-</sup> <b>90</b>
	3077
Tunnel restriction code (ADR)	
EAC code	: - : 2Z
	. 22
Transport by sea	
Special provisions (IMDG)	: 274, 335, 966, 967, 969
Limited quantities (IMDG)	: 5 kg
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP02, P002
Special packing provisions (IMDG)	: PP12
IBC packing instructions (IMDG)	: IBC08
IBC special provisions (IMDG)	: B3
Tank instructions (IMDG)	: BK1, BK2, BK3, T1
Tank special provisions (IMDG)	: TP33
EmS-No. (Fire)	: F-A
EmS-No. (Spillage) Stowage category (IMDG)	: S-F : A
Stowage and handling (IMDG)	: SW23
MFAG-No	: 171
Air transport	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y956
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 956
PCA max net quantity (IATA)	: 400kg
CAO packing instructions (IATA)	: 956
CAO max net quantity (IATA)	: 400kg
Special provisions (IATA)	: A97, A158, A179, A197, A215
ERG code (IATA)	: 9L
Inland waterway transport	
Classification code (ADN)	: M7
Special provisions (ADN)	: 274, 335, 375, 601
Limited quantities (ADN)	: 5 kg
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T* B**
Equipment required (ADN)	: PP, A
Number of blue cones/lights (ADN)	
Additional requirements/Remarks (ADN)	: * Only in the molten state. ** For carriage in bulk see also 7.1.4.1. *** Only in the case of
	transport in bulk.
Rail transport	
Classification code (RID)	: M7
Special provisions (RID)	: 274, 335, 375, 601
Limited quantities (RID)	: 5kg
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P002, IBC08, LP02, R001
Special packing provisions (RID)	: PP12, B3
Mixed packing provisions (RID)	: MP10
Portable tank and bulk container instructions (RID)	: T1, BK1, BK2, BK3
Portable tank and bulk container special provisions	: TP33
(RID) Tank and as far RID tanks (RID)	
Tank codes for RID tanks (RID)	: SGAV, LGBV

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Transport category (RID)	:	3
Special provisions for carriage – Packages (RID)	:	W13
Special provisions for carriage – Bulk (RID)	:	VC1, VC2
Special provisions for carriage - Loading, unloading		CW13, CW31
and handling (RID)		
Colis express (express parcels) (RID)	:	CE11
Hazard identification number (RID)	:	90

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)

#### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

### **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

Water hazard class (WGK) Hazardous Incident Ordinance (12. BImSchV)	: WGK 1, Slightly hazardous to water (Classification according to AwSV; ID No. 6459). : Is not subject to the Hazardous Incident Ordinance (12. BImSchV)
Netherlands	· · · · · · · · · · · · · · · · · · ·
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 –	: The substance is not listed
Vruchtbaarheid	
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: The substance is not listed
Denmark	
MAL code	: 00-3 (Executive Order No. 301 from 1993)
Danish National Regulations	: Young people below the age of 18 years are not allowed to use the product

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# 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other i	information
Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
ΙΑΤΑ	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
РВТ	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

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Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
H302	Harmful if swallowed.
H400	Very toxic to aquatic life.

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.