

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

1.1. Product identifier

Product form	: Mixture
Trade name	: Solution of N-Methylimidazole in Tetrahydrofuran
Product code	: NC-0801
Type of product	: Synthesis Reagent
Product group	: End 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 chemical, Industrial use
Industrial/Professional use spec	: Industrial For professional use only
Use of the substance/mixture	: Laboratory chemicals Substance manufacture
Function or use category	: Laboratory chemicals

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

emp Biotech GmbH GmbH
Robert-Rössle-Str. 10
DE- 13125 Berlin
Deutschland
T +49 (0)30 94 89 22 01 (Monday-Friday, 9:00 am-5:00 pm) - F +49 (0)30 94 89 32 01
info@empbiotech.com - www.empbiotech.com

1.4. Emergency telephone number

Emergency number	: Giftnotruf Berlin +49 30 30686700 (Beratung in Deutsch), 24 Stunden, 7 Tage/Woche; International: INFOTRAC +1-352-323-3500 (Phone) or in the US 800-535-5053 (toll-free), 24 hours/day, 7 days/week
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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. 4 (Oral)	H302
Acute Tox. 4 (Dermal)	H312
Skin Corr. 1B	H314
Carc. 2	H351
STOT SE 3	H335

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

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP)



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	GHS02	GHS05	GHS07	GHS08
Signal word (CLP)	: Danger			
Hazard statements (CLP)	: H225 - Highly flammable liquid and vapour. H302+H312 - Harmful if swallowed or in contact with skin. H314 - Causes severe skin burns and eye damage. H335 - May cause respiratory irritation. H351 - Suspected of causing cancer.			
Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 - Do not breathe vapours, mist, gas. P280 - Wear protective gloves, protective clothing, eye protection, face protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P370+P378 - In case of fire: Use extinguishing powder, dry sand to extinguish. P403+P235 - Store in a well-ventilated place. Keep cool.			
EUH-statements	: EUH019 - May form explosive peroxides.			

2.3. Other hazards

Other hazards which do not result in classification : This substance / mixture does not contain any components of 0.1% or higher that are either classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Component	
Tetrahydrofuran (109-99-9)	

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component	
Tetrahydrofuran(109-99-9)	

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 substance with national workplace exposure limit(s) (DE); substance with a Community workplace exposure limit	CAS-No.: 109-99-9 EC-No.: 203-726-8 EC Index-No.: 603-025-00-0 REACH-no: 01-2119444314-46-XXXX	75 – 95	Flam. Liq. 2, H225 Carc. 2, H351 Eye Irrit. 2, H319 STOT SE 3, H335
1-Methylimidazole	CAS-No.: 616-47-7 EC-No.: 210-484-7 EC Index-No.: 613-035-00-7	5 – 25	Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314

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Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
Tetrahydrofuran	CAS-No.: 109-99-9 EC-No.: 203-726-8 EC Index-No.: 603-025-00-0 REACH-no: 01-2119444314-46-XXXX	(25 ≤ C < 100) STOT SE 3, H335 (25 ≤ C < 100) Eye Irrit. 2, H319

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Consult a doctor. Show this safety data sheet to the doctor in attendance.
First-aid measures after inhalation	: Move person to fresh air and ensure comfortable breathing. Call a doctor.
First-aid measures after skin contact	: Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER/doctor.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Immediately call a POISON CENTER/doctor. Remove contact lenses, if possible. Continue rinsing.
First-aid measures after ingestion	: Drink water immediately (max. 2 cups). Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. No attempts at neutralization.

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

Symptoms/effects	: The most important known symptoms and effects are described on the label (see 2.2) and / or in section 11.
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4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray.
Unsuitable extinguishing media	: There are no extinguishing agent restrictions for this substance.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Combustible.
Explosion hazard	: Vapors are heavier than air and may spread along floors. Development of hazardous combustion gases or vapours possible in the event of fire. Forms explosive mixtures with air at ambient temperatures.
Hazardous decomposition products in case of fire	: In the event of a fire, the following may be released: Nitrogen oxides In the event of a fire, dangerous fire gases or vapours may be produced. Be careful, the product may re-ignite.

5.3. Advice for firefighters

Firefighting instructions	: Remove container from danger zone and cool with water. Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.
Protection during firefighting	: Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : For personal protection see section 8.
Emergency procedures : Do not breathe vapours, mist, gas, spray. Avoid substance contact. Ensure adequate ventilation, observe emergency procedures, consult an expert. Keep away from heat and sources of ignition.
. Evacuate area.

6.1.2. For emergency responders

- Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Do not allow to enter drains or water courses. Be careful of explosion risk.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.

6.4. Reference to other sections

Information on exposure controls/personal protective equipment and on Instructions for disposal can be found in sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Use under laboratory hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.
Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Apply preventive skin protection. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Protected from light. Keep container tightly closed in a dry, well-ventilated place. Keep away from heat and sources of ignition. Keep contents under inert gas. Dry residue is explosive. Test for peroxide formation periodically and before distillation.
Storage temperature : 5 – 20 °C
Storage area : Storage class (TRGS 510): See section 15.1.2.

7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

1-Methylimidazole (616-47-7)

Germany - Occupational Exposure Limits (Generic OEL data)

Contains no substances with occupational exposure limits

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Tetrahydrofuran (109-99-9)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Tetrahydrofuran
IOEL TWA	150 mg/m ³
IOEL TWA [ppm]	50 ppm
IOEL STEL	300 mg/m ³
IOEL STEL [ppm]	100 ppm
Remark	Skin
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	Tetrahydrofuran
AGW (OEL TWA) [1]	150 mg/m ³
AGW (OEL TWA) [2]	50 ppm
Remark	DFG,EU,H,Y
Germany - Biological limit values (TRGS 903)	
Local name	Tetrahydrofuran
Biological limit value	2 mg/l Urine Remarks: End of exposure or end of shift.

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:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Wear eye protection. Wear closed safety glasses. EN 166. Use face shield for larger quantities.

8.2.2.2. Skin protection

Skin and body protection:

Wear protective clothing. Flame retardant antistatic protective clothing

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Hand protection:

Wear protective gloves. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Splash contact-material: butyl-rubber

Minimum layer thickness: 0,7 mm

Break through time: 10 min

8.2.2.3. Respiratory protection

Respiratory protection:

Wear respiratory protection. Recommended filter type: Filter A

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Do not let product enter drains. Risk of explosion.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to light yellow.
Appearance	: Clear.
Odour	: Characteristic.
Odour threshold	: 6 – 177 ppm (THF)
Melting point	: -108.5 °C (Main component)
Freezing point	: Not available
Boiling point	: 65 – 66 °C at 1.013 hPa (Main component)
Flammability	: Not available
Lower explosion limit	: 1.5 vol % (Main component)
Upper explosion limit	: 12.4 vol % (Main component)
Flash point	: -20 °C - c.c. (Main component)
Auto-ignition temperature	: 230 °C (main component)
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Viscosity, dynamic	: 0.48 mPa·s at 20 °C. (Main component)
Solubility	: Water: at 20 °C soluble
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 173 hPa at 20 °C. (Main component)
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

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

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SECTION 10: Stability and reactivity

10.1. Reactivity

Peroxides may be formed. Vapors can form an explosive mixture with air.

10.2. Chemical stability

Air and light sensitive. The product is chemically stable under standard ambient conditions (room temperature).

10.3. Possibility of hazardous reactions

A risk of explosion and/or of toxic gas formation exists with the following substances:

Alkali hydroxides
Hydrides
Oxidizing agents
Bromine
Oxygen

The constituents may react with:

Acid chlorides
Acid anhydrides
Acids.

10.4. Conditions to avoid

Moisture. Direct sunlight. Heat.

10.5. Incompatible materials

Several plastics. Rubber. Tin.

10.6. Hazardous decomposition products

Peroxides. In the event of fire: see section 5.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Harmful in contact with skin.
Acute toxicity (inhalation)	: Not classified
Additional information	: Tetrahydrofuran: LD50 Oral: Rat - male and female: 1.650 mg/kg Remarks: (ECHA) Symptoms: Irritation of mucous membranes LC50 Inhalation: Rat - male and female: 4 h: > 16,9 mg/l Remarks: (US-EPA) Symptoms: mucosal irritations, Cough, Shortness of breath, Possible damages:, damage of respiratory tract LD50 Dermal: Rat - male and female: > 2.000 mg/kg Remarks: (OECD Test Guideline 402) 1-Methylimidazole: LD50 Oral - Rat - male and female: 1.144 mg/kg Remarks: (OECD Test Guideline 401) LD50 Dermal - Rabbit - male and female: 400 - 600 mg/kg Remarks: (OECD Test Guideline 402)

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ATE CLP (oral)	500 mg/kg bodyweight
ATE CLP (dermal)	1100 mg/kg bodyweight

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1-Methylimidazole (616-47-7)	
LD50 oral rat	1144 mg/kg male and female (OECD Test Guideline 401)
LD50 dermal rabbit	400 – 640 mg/kg male and female (OECD Test Guideline 402)
Tetrahydrofuran (109-99-9)	
LD50 oral rat	1650 mg/kg - GAF Material Safety Data Sheet.
Skin corrosion/irritation	: Causes severe skin burns.
Additional information	: 1-Methylimidazole: Skin - Rabbit Result: Corrosive Remarks: (OECD Test Guideline 404)
1-Methylimidazole (616-47-7)	
pH	9.5 – 11.5 Concentration: 50 g/l at 20 °C
Tetrahydrofuran (109-99-9)	
pH	7 – 8 at 20 °C; 200 g/l
Serious eye damage/irritation	: Assumed to cause serious eye damage
Additional information	: Tetrahydrofuran: Eyes - Rabbit Result: Eye irritation Remarks: (ECHA) (Regulation (EC) No 1272/2008, Annex VI) 1-Methylimidazole: Eyes - Rabbit Result: Corrosive Remarks: (OECD Test Guideline 405)
1-Methylimidazole (616-47-7)	
pH	9.5 – 11.5 Concentration: 50 g/l at 20 °C
Tetrahydrofuran (109-99-9)	
pH	7 – 8 at 20 °C; 200 g/l
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
Additional information	: Tetrahydrofuran: Suspected of causing cancer.
1-Methylimidazole (616-47-7)	
IARC group	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
Additional information	: Tetrahydrofuran: Inhalation: May cause respiratory irritation. - Respiratory system May cause drowsiness or dizziness. - Nervous system Acute oral toxicity: Irritation of mucous membranes Acute inhalation toxicity: mucosal irritations, Cough, Shortness of breath Possible damages: damage of respiratory tract
STOT-repeated exposure	: Not classified
1-Methylimidazole (616-47-7)	
LOAEL (oral, rat, 90 days)	90 mg/kg bodyweight/day
Aspiration hazard	: Not classified

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1-Methylimidazole (616-47-7)	
Viscosity, kinematic	1.826 mm ² /s

Tetrahydrofuran (109-99-9)	
Viscosity, kinematic	0.539 mm ² /s

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH article 57(f) or commission delegated regulation (EU) 2017/2100 or commission regulation (EU) 2018/605 at levels of 0.1% or higher.

11.2.2. Other information

Potential adverse human health effects and symptoms : Central nervous system depression, Cough, Chest pain, Difficulty in breathing. Exposure to high airborne concentrations can cause anesthetic effects, Other dangerous properties can not be excluded.

Handle in accordance with good industrial hygiene and safety practice, The substance should be handled with special care.

Other information : To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

12.1. Toxicity

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

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

1-Methylimidazole (616-47-7)	
LC50 - Fish [1]	100 – 215 mg/l static test LC50 - Leuciscus idus (Golden orfe) - 96 h
EC50 - Crustacea [1]	267.94 mg/l EC50 - Daphnia magna (Water flea) - 48 h
EC50 72h - Algae [1]	180.7 mg/l static test EC50 - Desmodesmus subspicatus (green algae) - 72 h (OECD Test Guideline 201)

Tetrahydrofuran (109-99-9)	
LC50 - Fish [1]	2160 mg/l Flow-through test LC50 - Pimephales promelas (fathead minnow) - 96 h (OECD Test Guideline 203)
EC50 - Other aquatic organisms [1]	3485 mg/l Static test EC50 - Daphnia magna (Water flea) - 48 h (OECD Test Guideline 202)

12.2. Persistence and degradability

1-Methylimidazole (616-47-7)	
Biodegradation	0 – 10 % Aerobic - Exposure time 28 d Result: Not readily biodegradable. (OECD Test Guideline 301F)

Tetrahydrofuran (109-99-9)	
Biodegradation	39 % Biodegradability aerobic Biochemical oxygen demand Exposure time 28 d Result: Not readily biodegradable. (OECD Test Guideline 301D)

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12.3. Bioaccumulative potential

1-Methylimidazole (616-47-7)

Partition coefficient n-octanol/water (Log Kow)	-0.06
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Tetrahydrofuran (109-99-9)

Partition coefficient n-octanol/water (Log Kow)	0.46
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Bioaccumulative potential	No bioaccumulation is to be expected (log Pow <= 4).
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Solution of N-Methylimidazole in Tetrahydrofuran

Results of PBT assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
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Component

Tetrahydrofuran (109-99-9)	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
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12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH article 57(f) or commission delegated regulation (EU) 2017/2100 or commission regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7. Other adverse effects

Other adverse effects : Discharge into the environment must be avoided.

Tetrahydrofuran : Toxicity to fish:
Flow-through test: LC50: Pimephales promelas (fathead minnow). 2.160 mg/l - 96 h
Remarks: (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates:
Static test: EC50: Daphnia magna (Water flea): 3.485 mg/l - 48 h
Remarks: (OECD Test Guideline 202)
Toxicity to bacteria:
Static test: EC20: activated sludge: ca. 800 mg/l - 0,5 h
Remarks: (OECD Test Guideline 209)

1-Methylimidazole : Toxicity to fish:
Static test LC50 - Leuciscus idus (Golden orfe): > 100 - 215 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates:
EC50 - Daphnia magna (Water flea): 267,94 mg/l - 48 h
Toxicity to algae:
Static test EC50 - Desmodesmus subspicatus (green algae): 180,7 mg/l - 72 h
Remarks: (OECD Test Guideline 201)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Product residues are to be disposed of in compliance with national and regional regulations dispose. Keep chemicals in original containers. Not with other waste mix. Uncleaned containers are to be treated according to the product. Pay attention to the waste policy 2008/98/EG.

Product/Packaging disposal recommendations : Contaminated packaging to be disposed as unused product.

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Ecology - waste materials

: Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
14.1. UN number or ID number		
UN 2924	UN 2924	UN 2924
14.2. UN proper shipping name		
FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Solution of N- Methylimidazole in Tetrahydrofuran)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Solution of N- Methylimidazole in Tetrahydrofuran)	Flammable liquid, corrosive, n.o.s. (Solution of N-Methylimidazole in Tetrahydrofuran)
14.3. Transport hazard class(es)		
3 (8)	3 (8)	3 (8)
14.4. Packing group		
II	II	II
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available		

14.6. Special precautions for user

Overland transport

Orange plates



Tunnel restriction code (ADR)

: D/E

Transport by sea

EmS-No. (Fire)

: F-E

EmS-No. (Spillage)

: S-C

Properties and observations (IMDG)

: Causes burns to skin, eyes and mucous membranes.

Air transport

No data available

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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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)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Seveso Directive (Disaster Risk Reduction)

Seveso Additional information : Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : FLAMMABLE LIQUIDS

Explosives Precursors Regulation (2019/1148)

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

Drug Precursors Regulation (273/2004)

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

15.1.2. National regulations

Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).
Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1).
Storage class (LGK, TRGS 510) : LGK 3 - Flammable liquids.
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

15.2. Chemical safety assessment

For this product a chemical safety assessment was not 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, 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-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4

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Full text of H- and EUH-statements:	
Carc. 2	Carcinogenicity, Category 2
EUH019	May form explosive peroxides.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Safety Data Sheet (SDS), EU

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