



**2.3. Other Hazards**

No information available

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable

**3.2 Mixtures**

None known based on information supplied

**Full text of R-phrases: see section 16****Full text of H- and EUH-phrases: see section 16****SECTION 4: First aid measures****4.1. Description of first aid measures**

<b>General advice</b>	When in doubt or if symptoms are observed, get medical advice.
<b>inhalation</b>	Remove to fresh air.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Eye Contact</b>	If substance enters the eyes, immediately rinse with plenty of water for several minutes.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

**4.2. Most important symptoms and effects, both acute and delayed****Symptoms** None known.**4.3. Indication of any immediate medical attention and special treatment needed****Note to physicians** Treat symptomatically.**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable Extinguishing Media**Use. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. Alcohol resistant foam. Cool containers with flooding quantities of water until well after fire is out.**Unsuitable Extinguishing Media**

Do not use a solid water stream as it may scatter and spread fire

**5.2. Special hazards arising from the substance or mixture**

Thermal decomposition can lead to release of irritating and toxic gases and vapors

**Hazardous combustion products** Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, Nitrogen oxides (NO<sub>x</sub>).**5.3. Advice for firefighters**

In the event of fire and/or explosion do not breathe fumes. Use water spray jet to protect personnel and to cool endangered containers. Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required. Do not allow run-off from fire-fighting to enter drains or water courses.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### **Personal precautions**

Special danger of slipping by leaking/spilling product. Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapour/spray. Evacuate personnel to safe areas.

#### **For emergency responders**

Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

See Section 12 for additional Ecological Information.

### 6.3. Methods and material for containment and cleaning up

#### **Methods for Containment**

Prevent further leakage or spillage if safe to do so.

#### **Methods for cleaning up**

Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

### 6.4. Reference to other sections

See section 8 for national exposure control parameters. See Section 12 for additional Ecological Information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### **Advice on safe handling**

Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapour/spray. Use personal protective equipment as required. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

#### **General hygiene considerations**

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

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

#### **Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place. Never use pressure to empty; drum is not a pressure vessel.

### 7.3. Specific end use(s)

#### **Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### **Exposure Limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls**

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**

**Eye/face Protection**

Wear safety glasses with side shields (or goggles).

**Hand protection**

Wear protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

**Skin and Body Protection**

Suitable protective clothing. Wear protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374

**Respiratory protection**

None under normal use conditions.

**Environmental exposure controls** Local authorities should be advised if significant spillages cannot be contained.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odour</b>	characteristic
<b>appearance</b>	No information available	<b>odor threshold</b>	No information available
<b>color</b>	white		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>		No information available
<b>Melting point/freezing point</b>		No information available
<b>Boiling point / boiling range</b>	> 150 °C / 302 °F	
<b>Flash Point</b>	> 100 °C / > 212 °F	
<b>Evaporation Rate</b>		No information available
<b>flammability (solid, gas)</b>		No information available
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	no data available	
<b>Lower flammability limit:</b>	no data available	
<b>vapour pressure</b>	no data available < 1.0 hPa	@ 20° C @ 50°C
<b>Vapor Density</b>		No information available
<b>Specific gravity</b>	no data available 1.010 g/cm3	@ 20° C @ 25°C
<b>Water solubility</b>	< 1.0 %	@ 20°C
<b>solubility(ies)</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition Temperature</b>		No information available
<b>decomposition temperature</b>		No information available
<b>Kinematic viscosity</b>	no data available	@ 40 °C
<b>Dynamic viscosity</b>	no data available	@ 40 °C
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

**9.2. Other information**  
No information available

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

no data available.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

None under normal processing.

**10.4. Conditions to avoid**

None known based on information supplied.

**10.5. Incompatible materials**

Incompatible with oxidizing agents. Acids. Bases.

**10.6. Hazardous decomposition products**

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. Nitrogen oxides (NO<sub>x</sub>).

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute Toxicity**

**Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

<b>inhalation</b>	no data available.
<b>Eye Contact</b>	no data available.
<b>Skin contact</b>	no data available.
<b>Ingestion</b>	no data available.

**Unknown acute toxicity**                      0% of the mixture consists of ingredient(s) of unknown toxicity.

**Skin corrosion/irritation**                      No information available.

**Serious eye damage/eye irritation**                      No information available.

**sensitization**                                      No information available.

**Germ Cell Mutagenicity**                      No information available.

**carcinogenicity**                                      No information available.

**Reproductive Toxicity**                      No information available.

**STOT - single exposure**                      No information available.

**STOT - repeated exposure**                      No information available.

**Aspiration Hazard**                                      No information available.

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**SECTION 12: Ecological information****12.1. Toxicity**

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Product Information****Acute (short-term) algae toxicity**

<b>EC50</b>	No information available
<b>EC0</b>	No information available
<b>IC50</b>	No information available
<b>IC0</b>	No information available
<b>ErC50</b>	No information available
<b>EbC50</b>	No information available

**Acute (short-term) fish toxicity**

<b>LC50</b>	No information available
<b>LC0</b>	No information available
<b>EC50</b>	No information available
<b>EC0</b>	No information available

**Acute (short-term) aquatic invertebrate toxicity**

<b>EC50</b>	No information available
<b>EC0</b>	No information available

**Chronic (long-term) algae toxicity**

<b>NOEC</b>	No information available
<b>LOEC</b>	No information available

**Chronic (long-term) fish toxicity**

<b>NOEC</b>	No information available
<b>LOEC</b>	No information available

**Chronic (long-term) aquatic invertebrate toxicity**

<b>NOEC</b>	No information available
<b>LOEC</b>	No information available

**Component Information****12.2. Persistence and degradability**

No information available.

<b>biodegradation</b>	No information available
<b>biodegradation</b>	No information available
<b>BOD</b>	No information available
<b>ThCO2</b>	No information available
<b>DOC</b>	No information available

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB). This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

**12.6. Other adverse effects**

No information available

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Waste from residues/unused products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Contaminated packages must be completely emptied and can be re-used following proper cleaning. Clean IBCs or drums at approved facility. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information**

<b><u>ADR</u></b>	
<b>14.1. UN number</b>	Not regulated
<b>14.2. UN proper shipping name</b>	Not regulated
<b>14.3. Transport hazard class(es)</b>	Not regulated
<b>Labels</b>	-
<b>14.4. Packing group</b>	Not regulated
<b>Description</b>	-
<b>14.5. Environmental hazards</b>	Not applicable
<b>14.6. Special precautions for user</b>	None
<b>Classification code</b>	-
<b>Tunnel restriction code</b>	-
<b>Limited quantity (LQ)</b>	-
<b>ADR Hazard Id (Kemmler Number)</b>	-
<b>Note:</b>	-

**RID**

14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
Labels	-
14.4. Packing group	Not regulated
Description	-
14.5. Environmental hazards	Not applicable
14.6. Special precautions for user	None
Classification code	-
Limited quantity (LQ)	-
Note:	-

**IMDG**

14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
Subsidiary hazard class	-
14.4. Packing group	Not regulated
Description	-
14.5. Environmental hazards	Not applicable
14.6. Special precautions for user	None
EmS-No	-
Limited quantity (LQ)	-
Note:	-
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	No information available

**IATA**

14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
Subsidiary hazard class	-
14.4. Packing group	Not regulated
Description	-
14.5. Environmental hazards	Not applicable
14.6. Special precautions for user	None
ERG Code	-
Limited quantity (LQ)	-
Note:	-

SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National Regulations**

See section 8 for national exposure control parameters

**Water hazard class (WGK)**      slightly hazardous to water (WGK 1)

**Storage class**                      10

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work



**International Inventories**

All of the components in the product are on the following Inventory lists TSCA (United States);, Europe (EINECS/ELINCS/NLP).

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out. Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information
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**Full text of R-phrases referred to under sections 2 and 3**

No information available

**Revision note**

Not applicable.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**End of Safety Data Sheet**