



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 3/30/2020

First-aid measures after ingestion: Give nothing to eat or drink. Call a poison center or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

No additional information available

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media: Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Reactivity in case of fire: Fire will produce dense black smoke. Decomposition products may be a hazard to health. Do not breathe fumes.

Hazardous decomposition products in case of fire: Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Nitrogen oxides. Nitrogen dioxide.

5.3 Advice for firefighters

Precautionary measures fire: Prevent unauthorised access.
Firefighting instructions: Exercise caution when fighting any chemical fire.
Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures : See Heading 7. See Heading 8.

6.1.1 For non-emergency personnel:

Emergency procedures : Ventilate spillage area. Do not touch or walk on the spilled product.

6.1.2 For emergency responders:

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

8.2 Exposure controls

Appropriate engineering controls: Ensure adequate ventilation, especially in confined areas. Use personal protective equipment that is clean and has been properly maintained.

Hand protection:					
Chemical resistant gloves (according to European standard NF EN 374 or equivalent)					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
waterproof gloves					EN ISO 374

Eye protection:
Avoid contact with eyes. Before handling, wear safety goggles with protective sides accordance with standard EN166. Provide eyewash stations in facilities where the product is handled constantly.

Type	Use	Characteristics	Standard
Safety glasses	Droplet	With side shields	EN 166

Skin and body protection:
Wear suitable protective clothing. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner

Personal protective equipment symbol(s):



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: Liquid
 Appearance: Clear
 Colour: Colourless
 Odour: characteristic



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10.3 Possibility of hazardous reactions:

No additional information available

10.4 Conditions to avoid:

Freezing.

10.5 Incompatible materials:

No additional information available

10.6 Hazardous decomposition products:

Thermal decomposition may produce : Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides. Nitrogen dioxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity (oral):	Not classified
Acute toxicity (dermal):	Not classified
Toxic if inhaled.:	Not classified
Skin corrosion/irritation:	Not classified
	pH: 10.5 (10 – 11) (Pure product)
Serious eye damage/irritation:	Not classified
	pH: 10.5 (10 – 11) (Pure product)
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

SECTION 12: Ecological information

12.1 Toxicity

Ecology - general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.



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

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

12.2 Persistence and degradability

No additional information available

12.3 Bioaccumulative potential

No additional information available

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Regional legislation (waste): Appropriate management of the waste from the mixture and / or its container must be determined in accordance with the provisions of DIRECTIVE (EU) 2018/851 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 30 May 2018 amending Directive 2008/98 / EC on waste.

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions. Avoid release to the environment.

Product/Packaging disposal recommendations: After use, container has to be completely emptied and closed. Keep the label on the recipient. Remove to an authorized waste treatment plant.

Ecology - waste materials: Waste management is done without endangering human health and without harming the environment, and in particular without creating risk for water, air, soil, fauna or flora. Recycle or dispose of in compliance with current legislation. Do not contaminate soil or water with waste, do not dispose of in the environment.

SECTION 16: Other 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
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
IATA	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
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

