



# MATERIAL SAFETY DATA SHEET



## 5 – FIRE-FIGHTING MEASURES

Advised extinguishing agents	Foam extinguishers or water
Extinguishing agents to be avoided	None
Dangers caused by combustion matters	None
Protection measures in case of intervention	None
Additional information	Unflammable product

## 6 – ACCIDENTAL RELEASES MEASURES

Collection and disposal methods	Collect mechanically in suitable containers. Wash residual matters with water
Personal-related safety precautions	
Environmental protection	

## 7 – HANDLING AND STORAGE

Handling	Prevent contact with eyes and skin. Do not inhale dusts
Storage	Store in a dry, cool and well-ventilated place. Keep in well-closed containers

## 8 – PERSONAL PROTECTION / EXPOSURE CONTROL

Respiratory protection	Anti-dust mask
Skin protection	Suitable protective clothes
Hand protection	Plastic gloves
Eyes protection	Safety goggles with side screen
Exposure limits	TLV-TWA: unknown, 10 mg/m <sup>3</sup> (irritant dusts)

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## 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	physical state	Powder
	colour	White
	smell	None
Melting point		153°C
Boiling point		
Density		850-905 kg/m <sup>3</sup>
Solubility in water		209 g/L at 25°C
Flash point		Uninflammable
Inflammability limits (vol % in air)		
Autoignition temperature		1000-1020°C
pH (5%)		1.8

## 10 – STABILITY AND REACTIVITY

Conditions to be avoided	Possible formation of explosive air/powders mixtures
Products to be avoided	Alkaline compounds, sulphides, nitrates, oxidants and reducers
Hazardous decomposition products	Above 153°C it may release carbon monoxide-carbon dioxide

## 11 – TOXICOLOGICAL INFORMATION

Penetration ways	Inhalation yes Ingestion yes Contact no
Acute toxicity	LD50 (oral, rat): 11700 mg/kg
Inhalation consequences	Irritation
Ingestion consequences	Irritation
Skin local effects	Irritation and wounds burning
Eyes local effects	Irritation
Additional information	Possibile allergic sensitization

## 12 – ECOLOGICAL INFORMATION

Biodegradable – It can cause pH variations into ecological aquatic systems.

## 13 – DISPOSAL CONSIDERATIONS

Product	Product residuals to be disposed of according to official current regulations and by an authorized contracting firm
Contaminated packages	Empty the package, unfold it completely and dispose of it according to the packaging material

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## 14 – TRANSPORT INFORMATION

Product non subject to ADR/RID, IMO and IATA regulations, related to road, sea and airway transport of dangerous goods.

## 15 – REGULATORY INFORMATION

EC labelling	[ ]	Required by the law
	[ X ]	Temporary
	[ ]	Not required
# Classification	Xi	R36 S24/25

## 16 – OTHER INFORMATION

Hazard symbol	Xi	Irritant
# Risk phrases	R36	Irritant to eyes
Safety phrases	S24/25	Prevent contact with skin and eyes

Periodical visits in accordance with Italian Presidential Decree No. DPR 303/56: not foreseen.

This material safety data sheet has been issued in accordance with 2001/58/CE.

Before starting the use of this product for any new process or experiment, it must be carried out a deep study on the safety and the compatibility of the product itself with materials it could come in contact with.

The information contained in this safety data sheet is given to protect health and safety at work. No responsibility is taken for possible damages arising from uses of this information for different purposes from the ones here indicated.

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