



MATERIAL SAFETY DATA SHEET

5. ACCIDENTIAL RELEASE

- Personal Preparation** : Avoid contact with skin, eyes and clothing.
- Environmental Precautions** : Prevent contamination of soil, drains and surface water.
- Method of cleaning** : Absorb the material in the sand, soil, diatomaceous earth or suitable absorbent. Place in suitable material and remove to safe place or dispose of in an incinerator approved for chemicals.

6. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media** : Dry chemical, CO₂, Water spray, standard foam. For larger fire, use water spray, fog or standard foam.
- Exposure Hazards** : During a fire, irritating and possibly toxic gases like carbon dioxide; carbon monoxide; nitrogen oxides; sulfur dioxide; hydrogen chloride; may be generated by thermal decomposition or combustion
- Fire-Fighting** : Use dry chemical, foam or CO₂ extinguishing media. Wear full protective clothing and self-contained breathing apparatus. Evacuate non essential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff.

7. HANDLING AND STORAGE

- Handling** : Use appropriate (impervious) clothing, gloves and closed foot ware to prevent the repeated contact with skin. Use flash proof and dust resistant goggles to prevent the contact with eyes.
- Storage** : Keep the product in original container tightly closed and correctly labeled. Store in suitable, cool, dry, well ventilated place under lock and key; away from the reach of the children, animals, food and animal feeding stuffs. Store away from the incompatible substances and source of ignition



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical protective measures	:	None
Exposure controls limits	:	Not Established
Respiratory protection	:	Wear suitable mask
Hand protection	:	Wear impervious gloves
Eye protection	:	Wear flash proof and dust resistant goggles.
Skin protection	:	Wear impervious clothing and closed foot ware.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White Crystalline solid	Melting Point	111.5°C
Odour	Odourless	Density	1.29g/ml at 25°C
Oxidizing property	Non Oxidizing Agent.	Autoflammability	Non-Flammable.
Density	1.3 g/ml (25 °C)	PH	6.95
Explosive properties	Non-explosive	Vapour pressure	0.018 mPa at 20°C
Flammability	Non Flammable	Solubility in water	0.016 g/l at 20°C
Auto ignition	None	Vapour pressure	5.6 x 10 ⁻² mPa (20°C)

10. STABILITY AND REACTIVITY

Thermal Stability	:	Stable to heat.
Conditions to avoid	:	Direct source of heat/open flames.
Material to avoid	:	Alkaline material
Hazardous Decomposition Products	:	During a fire, irritating and possibly toxic gases like carbon dioxide; carbon monoxide; nitrogen oxides; sulfur dioxide; hydrogen chloride; may be generated by thermal decomposition or combustion.

11. TOXICOLOGICAL INFORMATION

Acute LD₅₀ Oral, Mice > 2000 mg/kg b w WHO Class II



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Acute LD ₅₀ Dermal, Rabbit	> 2000 mg/kg body weight
Acute (4h) LC ₅₀ Inhalation	3.36 mg/l
Eye Irritation Test.	Mildly irritating to Rabbit Eye.
Skin Irritation Test	Non irritation to Rabbit Skin.
Skin Sensitization	Moderately skin sensitizing agent to skin of Guinea Pig.
Carcinogenicity	Non Carcinogenic.
Mutagenic	Non Mutagenic.
Reproductive Toxicity	No effect on reproduction.

12. ECOLOGICAL INFORMATION

LC50 (96 h) for Common carp	5.94 mg/l.
EC50 (48 h) for Daphnia	2.9 mg/litre
Acute Oral LD ₅₀ for Mallard Duck	> 4000 mg/kg.
Bee Toxicity LD ₅₀ (Contact and oral)	> 0.1 mg/bee.
% Biodegradability	Slow biodegradation.
Sewage Toxicity	Non-toxic

13. DISPOSAL CONSIDERATION

Incineration or landfill in accordance with local regulations. Contaminated packing material should be treated as the product.

14. TRANSPORT INFORMATION

Proper shipping name.	Pesticide Solid, Toxic NOS
UN Number	2588
Marine Pollutant	Yes
Class	6.1
Flash Point	Non flammable
Hazard Label	TOXIC
Packing Instruction	P002
EMS No.	F-A, S-A
First Aid Code	NA

15. REGULATORY INFORMATION



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Classification	Toxic
Risk Phrases	R51: Toxic to aquatic organisms.
Safety Phrases	S2: Keep out of the reach of children S13: Keep away from food, drink and animal feeding stuffs S20/21: When using do not eat, drink or smoke S46: If swallowed, seek medical advice immediately and show this container or label S61: Avoid release to the environment. Refer to special instructions/Safety data sheets.

16. OTHER INFORMATION

Incompatible with the alkaline material.

Antidote : No specific antidote is available. Treat the patient symptomatically and supportively.

This product should be stored, handled and used in accordance with good industrial practices and in conformity with legal regulation.

This information is based on present knowledge for your guidance on safety requirements. It is not intended as a specification.