

PROtech SAFETY DATA SHEET

Storage: Store in a cool, dry and well-ventilated location. Good housekeeping should be maintained to minimize dust accumulation and generations. Keep away from acids and water.

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS

OSHA permissible exposure limit: ACGIH TWA : 3 mg/m³ Respirable Dust ; 10 mg/m³ Total Dust
OSHA PEL : TWA : 5 mg/m³ : Respirable Dust ; 15 mg/m³ Total Dust

Appropriate Engineering Controls: Use local exhaust ventilation to keep airborne levels below exposure limits.

Individual Protection Measures: Eye Protection: Use vented goggles or safety glasses in excessively dusty conditions.
Skin Protection: Not required under normal conditions. Use gloves and protective clothing if excessively dusty or if skin is damaged.
Respiratory Protection: Not required where adequate ventilation is provided. If airborne concentrations are high, use a NIOSH/MSHA approved respirator that has been selected by a technically qualified person for the specific work conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White granules	Flammability (solid/gas):	No data available
Odor:	No data available	Upper/lower Flammability or	No data available
Odor Threshold:	No data available	Exposure limits:	
pH:	8.0 - 8.5	Vapor Pressure:	Not Applicable
Melting Point/Freezing Point:	No data available	Vapor Density:	No data available
Initial Boiling Point/Boiling Range:	Decomposes on heating	Density:	60 lbs/ft ³
Flash Point:	Not Applicable	Solubility(ies):	8.8% at 20°C
Evaporation Rate:	No data available	Partition Coefficient: n-octanol/water:	No data available
		Auto-ignition Temperature:	No data available
		Decomposition Temperature:	50°C without melting
		Viscosity:	No data available

10. STABILITY AND REACTIVITY

Stability/Reactivity: Stable in dry air, in moist air forms sodium carbonate, an irritant.

Possibilities of Hazardous Reactions: Hazardous Polymerization: Will Not Occur

Conditions to Avoid: Exposure to moisture or moist air. Temperatures above 150°F (65°C)

Incompatible Materials: Acids. Aluminum (tarnishes).

Hazardous Decomposition Materials: When heated to decomposition, sodium bicarbonate produces carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Oral Toxicity: treat as Particulates Not Otherwise Regulated:
LD50: 4220 mg/kg (rat)
LD50: 3360 mg/kg (mouse)
Oral LD50: 20 mg/kg - 5 day intermittent (man)
Oral LD50: 1260 mg/kg (infant)

Eyes: mid 100 mg/30 sec (rabbit)
Skin: mid 30 mg/3 days intermittent (human)
Not classified as skin corrosion/irritant and not classified as serious eye damage/irritant.

Chronic Toxicity: Not classified

Reproductive Toxicity: Not classified

Carcinogenicity: Is not listed as a carcinogen.

Mutagenicity: No data available.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: LC 50: 7100 mg/l (Bluegill)
LC 50: 8250 - 9000 mg/l (96 hr)

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EC 50: 4100 mg/l (Daphnia)
EC 50: 2350 (48 hr)
LC 50: 7700 mg/l (Rainbow trout)

Avian Toxicity: No data available

Environmental Hazards: No data available

13. DISPOSAL CONSIDERATIONS

Disposal: If permitted by local and state regulations, place in a hazardous or industrial waste landfill. Tonnage quantities are not however, recommended for the landfill and if possible should be re-used for an appropriate application. Small quantities may be flushed to sewers by NPDES or POTW permit. Refer to federal, state and local regulations for applicable site-specific requirements. Keep out of drinking water sources.

14. TRANSPORTATION INFORMATION

Package exceptions may be applicable. Refer to the appropriate IMDG, IATA and/or 49 CFR regulations accordingly.

DOT: Not Regulated

15. REGULATORY INFORMATION

TSCA: USA: Reported in the EPA TSCA Inventory.

SARA (311, 312): Not listed

SARA 313: Not listed

Right To Know Hazardous Substance List: California Proposition 65: This product is not listed

Waste Classification: No data available.

Workplace Classification: This product is not considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

CERCLA Reportable

Quantity: Not listed

16. OTHER INFORMATION

ALWAYS COMPLY WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE AND LOCAL REGULATIONS REGARDING THE TRANSPORTATION, STORAGE, USE AND DISPOSAL OF THIS CHEMICAL. Due to the changing nature of regulatory requirements, the REGULATORY INFORMATION listed in Section 15 of this document should NOT be considered all-inclusive or authoritative. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements. The information in this SDS was obtained from sources, which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

HMIS Rating: No data available.

NFPA Rating: No data available.

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Special Hazard Warning: Not applicable.

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