



**Notes to Medical Doctor:** Internal toxicity is low. Treatment is symptomatic and supportive.

## SECTION 5 FIRE FIGHTING MEASURES

Flash Point:	Noncombustible
Flammable Limits:	NA
National Fire Rating System (NFPA):	None – Non-Hazardous
Hazard Material Identification System (HMIS):	None – Non Hazardous
Extinguishing Media:	This material does not burn. If exposed to fire from another source, use suitable fire extinguishing agent for that fire.
Special Fire Fighting Procedures:	None
Unusual Fire & Explosion Hazards:	Non-combustible.
Additional Information:	None

## SECTION 6 ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is Released or Spilled:	Sweep or shovel up and place into container and salvage. Wash area with large amounts of water.
Additional Information:	Not an EPA hazardous substance. Plan in advance for such an incident and have the necessary equipment available.

## SECTION 7 HANDLING & STORAGE

Store in closed containers. Store in a cool, dry area away from other chemicals that could contaminate this product. Minimize the free fall when handling to minimize the amount of dust generated. Protect from physical damage. Utilize local exhaust if dusty or misty conditions exist. Use exhaust if there is a release of sulfur dioxide gas. Other Precautions: Use an approved dust respirator to prevent irritation by the dust. Carbon dioxide gas can be generated in confined spaces if sodium Bicarbonate contacts acids.

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Respirator Protection:	If dusty or misty conditions prevail, use dust or mist respirators approved by NIOSH. If sulfur dioxide gas is released, use a respirator approved by NIOSH for this material.
Ventilation:	Local exhaust ventilation - personnel should not be exposed to irritating effects of the dust.
Eye Protection:	If exposed to dust or mist or solution, wear chemical goggles. Do not wear contact lenses. Eyes must be protected if dissolving material in water. Eye wash stations should be located in immediate area.
Other Protective Equipment:	Wear full work clothing, including long sleeved shirt and trousers for routine product-handling use. Cotton gloves are usually adequate for dry product.

## SECTION 9 PHYSICAL & CHEMICAL PROPERTIES

Appearance and Odor:	White granular solid. Odorless.	Physical State:	Powder
Spec Gravity:	2.20	pH:	8.3 (1% solution)
Boiling Point:	NA	Freezing Point:	Decomposes
Vapor Pressure (mm Hg):	Nil.	Vapor Density:	NA
Solubility in Water:	9.6% at 20 <sup>o</sup> c	Density:	0.88 g/mL

## SECTION 10 STABILITY & REACTIVITY

Stability:	Stable.
Incompatibility (Materials to Avoid):	Reacts with acid to release carbon dioxide gas and heat.
Hazardous Decomposition Products:	None
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Contact with acid except under controlled conditions. Carbon dioxide gas can be formed in confined spaces or tanks when alkaline products contact acid products, which can be dangerous to life.

**SECTION 11 TOXICOLOGICAL INFORMATION**

Threshold Limit Value: OSHA PEL & ACGIH TLV - Not established.  
Toxic Limits: Ingestion: LD<sub>50</sub> (rat) 4300 mg/kg (20% slurry)  
Carcinogenicity: No data available

**SECTION 12 ECOLOGICAL INFORMATION**

Ecotoxicological Information: 48 hr LC50 = 2000 mg/L (CCulex sp. Larvae or mosquito)  
Chemical Fate: No data available.

**SECTION 13 DISPOSAL CONSIDERATIONS**

Waste Disposal Methods: Dispose in accordance with Federal, State, and local regulations. Chemical additions or otherwise altering the material may make the MSDS incomplete or inappropriate. Waste characterization and disposal compliance is the responsibility of the party generating and disposing of the waste.

Additional Information: Not an EPA hazardous substance. Plan in advance for such an incident and have the necessary equipment available.

**SECTION 14 TRANSPORTATION INFORMATION**

DOT Proper Shipping Name: NA  
DOT Hazard Class: Non Hazardous  
DOT Identification #: NA

**SECTION 15 REGULATORY INFORMATION**

NA – This product is non-hazardous and not listed on any of the regulatory chemicals lists (SARA, CERCLA, TOSCA, etc.)  
RQ: NA

**SECTION 16 OTHER INFORMATION**

4/12/08 – Revise formatting to GHS standards.  
5/24/04 – Previous version.

The data in this Material Data Sheet relates only to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control, it should not be taken as a warranty or representation for which Sentry Industries assume legal responsibility. This information is provided solely for your consideration, investigation, and verification. For additional information, contact our technical service department.