



MATERIAL SAFETY DATA SHEET

PRODUCT: Boradust (Insecticide)

SECTION 1 - PRODUCT INFORMATION

P.C.P. Act Registration No.: 19480

Code: 5187011

Chemical Name: Boric Acid

Synonyms: Orthoboric Acid

Chemical Family: Borate

Product Use: Insecticide

TDG Classification: Not Regulated

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	WEIGHT %	CAS REG #	LD50 (mg/Kg)	T.W.A. - T.L.V.
Boric Acid	99	10043-35-3	Oral,rat 3500 Dermal,rabbit >2000	-
Calculate LD50 for mixture			3535	

SECTION 3 - PHYSICAL DATA

Physical State: Solid

Specific Gravity: Not Applicable

Boiling Point: Not Applicable

Vapour Pressure: No Data

% Volatiles: Not Applicable

Solubility in Water: 4.7% w/w @ 20 °C

Appearance/Odour: White crystalline powder.

pH: No Data

Freezing/Melting Point: No Data

Vapour Density: Not Applicable

Evaporation Rate: No Data

SECTION 4 - FIRE AND EXPLOSION

Flash Point: Not Applicable

Lower Explosion Limit %: Not Applicable

Fire Extinguishing Media: Foam, Dry Chemical, Carbon Dioxide, Water Fog

Fire Fighting Procedures: Wear Self-Contained Breathing Apparatus and impervious clothing. Minimize amount of water used and contain the run-off by diking.

Other Fire or Explosion Hazards: None.

Autoignition Temperature: No Data

Upper Explosion Limit %: Not Applicable

SECTION 5 - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Will dehydrate at 100 °C and above. Volatile in steam without decomposition.

Incompatibility (Materials to Avoid): Alkali carbonates, elemental potassium, hydroxides and acetic anhydride.

Hazardous Decomposition Products: None

Hazardous Polymerization: Will Not Occur

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SECTION 6 - HEALTH HAZARD DATA

Acute Effects of Overexposure: Inhalation may cause transitory sneezing and coughing. Ingestion may cause erythema, macular rash, vomiting, diarrhea, dizziness, circulatory collapse and may lead to death.

Effects of Chronic Exposure: Mild eye irritant.

Other Health Effects: None known

SECTION 7 - FIRST AID PROCEDURES

Inhalation: Move victim to fresh air. Give Artificial Respiration ONLY if required. Give CPR if there is NO breathing AND NO pulse. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

Skin Contact: Flush skin with running water and thoroughly wash with soap and water. If irritation persists seek medical attention.

Ingestion: Give 1 to 2 glasses of water or milk to dilute material. Induce vomiting and give large quantities of water or milk. Lean victim forward with head down to avoid breathing vomitus. Never give anything by mouth to an unconscious person. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

Eye Contact: Flush eyes with running water for 20 minutes. Hold eyelids open during flushing. If irritation persists seek Medical Attention.

SECTION 8 - PREVENTIVE MEASURES

Respiratory Protection: NIOSH/MSHA approved respirator.

Eye Protection: Safety goggles.

Skin Protection: Chemical resistant gloves

Other Personal Protective Equipment: Coveralls

Engineering Controls: Local exhaust or ventilation.

Handling Procedures and Equipment: Avoid breathing dust, contact with eyes, skin and clothing. Wash thoroughly after use.

Storage Requirements: Store in cool, dry, ventilated area. Keep out of reach of children and pets.

Storage Temperature: Min: none °C Max: 40 °C

SECTION 9 - ENVIRONMENTAL PROTECTION DATA

Spill and Leak Procedures: Stop leak and contain spill. Sweep up spilled material and shovel in waste container for disposal. Clean area with detergent and water, absorb wash and place in waste container. Remove any contaminated soil for proper disposal.

Waste Disposal: Dispose of empty container in household garbage. Dispose of waste product in accordance with Local, Provincial or Federal government regulations.

Environmental Effects: Do not contaminate local water supplies or environments.

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Prepared by: Technical Department

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