

MALLINCKRODT INC.,SCIENCE PRODUCTS DIVISION -- BORIC ACID -- 6810-00-824-9090  
===== Product Identification =====

Product ID:BORIC ACID  
MSDS Date:01/01/1987  
FSC:6810  
NIIN:00-824-9090  
MSDS Number: BFRGZ  
=== Responsible Party ===  
Company Name:MALLINCKRODT INC.,SCIENCE PRODUCTS DIVISION  
Emergency Phone Num:(314)982-5000  
CAGE:62910  
=== Contractor Identification ===  
Company Name:MALLINCKRODT SPECIALTY C  
HEMICALS CO  
Address:222 RED SCHOOL LANE  
Box:City:PHILLIPSBURG  
State:NJ  
ZIP:08865  
Country:US  
Phone:908-859-2151  
CAGE:62910

===== Composition/Information on Ingredients =====

Ingred Name:BORIC ACID;ORTHO-BORIC ACID;BORACIC ACID; CAS #10043-35-3  
CAS:10043-35-3  
RTECS #:ED4550000  
Fraction by Wt: >99%  
ACGIH TLV:NOT KNOWN

===== Hazards Identification =====

Effects of Overexposure:INH:MAY IRRIT MUC MEMB OF RESP  
TRACT;ING:SYMPTMS SIMILAR TO INH;  
SKIN/EYES:MAY CAUSE IRRITATION.

===== First Aid Measures =====

First Aid:SKIN:WASH W.SOAP & H\*2O EYES:FLUSH W. H\*2O. INGESTED:GIVE 2  
GLASSES H\*2O; INDUCE VOMITING.CALL A PHYSICIAN. INHALE:REMOVE TO  
FRESH AIR. GIVE CPR/OXYGEN IF NEED. KEEP WARM & QUIET. REMOVE  
CONTAMINATED CLOTHING. IF UNCONS DO NOT TAKE ANYTHING BY MOUTH.

===== Fire Fighting Measures =====

Flash Point:NONE  
Extinguishing Media:EXTINGUISH W. A

GENT SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CNTD BRTHG,APP H\*20 SPRAY TO COOL CONTR.

Unusual Fire/Explosion Hazard:A MIXTURE OF POTASSIUM & BORIC ACID MAY EXPLODE ON IMPACT.

===== Accidental Release Measures =====

Spill Release Procedures:CLEAN-UP PERSONNEL NEED PROTECTION FROM INHALATION OF DUST.COLLECT SOLID SPILLS & PLACE IN APPROPRIATE CONTAINERS FOR DISPOSAL.LIQUID(SOLUTIONS)SPILLS CAN BE ABSORBED W/INERT SOLID.RES IDUE TRACES CAN BE FLUSHED TO SEWER WITH HIGH DILUTION.

===== Handling and Storage =====

Handling and Storage Precautions:KEEP IN TIGHTLY CLOSED CONTNRS AT COOL,DRY,VENTILATED PLACE.PROTECT AGAINST PHY DAMAGE;CARBON STEEL OR ALUMNM CONTNRS ARE SUITABLE FOR STORAGE.

Other Precautions:AVOID BREATHING DUST.USE W/ADEQUATE VENTILATION.KEEP CONTAINRS CLOSED.WASH THOROUGHLY AFTER HANDLING.AVOID SKIN,EYES & CLOTHING CONTACT;STAINLESS STEEL IS NEE DED FOR MOIST CONDITIONS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:SUPPLIED AIR RESPIR/SCBA; ESCAPE: GAS MASK

Ventilation:LOCAL EXHAUST TO MAINTN BELOW TLV.

Protective Gloves:IMPERVIOUS

Eye Protection:GOGGLES/FACE SHIELD

Other Protective Equipment:FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EYE WASH STATION

Supplemental Safety and Health

MSDS FROM MFR DATED:28 FEB 85 CONFORMS TO OSHA HAZ COMM STD.

===== Physical/Chemical Propertie  
s =====

HCC:N1

Boiling Pt:B.P. Text:DECOPOSES

Spec Gravity:1.43

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS CRYSTALS,NO APPARENT ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

POTASSIUM,ACETIC ANHYDRIDE

Stability Condition to Avoid:MOISTURE

Hazardous Decomposition Products:BORON OXIDE WHEN HEATED TO DECOMPOSITION

===== Disposal Considerations =====

Waste Disp

osal Methods:RECLAIM DRY MATERIAL FOR SALVAGE OR REUSE.

UNSALVAGEABLE WASTE MAY BE SENT TO A RCRA APPROVED LANDFILL.ENSURE COMPLIANCE WITH LOCAL,STATE & FEDERAL REGULATIONS.

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