

MATERIAL SAFETY DATA SHEET

General Information

Company's Name: The Chemistry Store.com Inc.
Company's Address: 1133 Walter Price St Cayce, SC 29033
Company's Emerg Ph #: 1-800-535-5053 (Infotrak)
Company's Info Ph #: 1-800-224-1430
Date MSDS Prepared: 2/1/07

PRODUCT NAME: Boric Acid

Ingredients/Identity Information

Ingredient: BORIC ACID NIOSH (RTECS) Number: ED4550000 CAS Number: 10043-35-3

Physical/Chemical Characteristics

Appearance And Odor: WHITE, ODORLESS, CRYSTALLINE SOLID. Melting Point: 340F, 171C Vapor Pressure (MM Hg/70 F): NEGLIGIBLE
Specific Gravity: 1.51 Solubility In Water: 4.5% @ 20C pH: 6.1 @ .1

Fire and Explosion Hazard Data

Flash Point: NONE Extinguishing Media: DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER SPRAY OR STANDARD FOAM. Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED RESPIRATOR/SCBA IN AN ENCLOSED AREA. Unusual Fire And Expl Hazards: NEGLIGIBLE

HAZARDS

Reactivity Data

Stability: YES Cond To Avoid (Stability): EXTREME HEAT Materials To Avoid: ACETIC ANHYDRIDE, POTASSIUM AND IRON Hazardous Decomposition Products: METABORIC ACID, PYROBORIC ACID, BORIC ANHYDRIDE. Hazardous Poly Occur: NO

Health Hazard Data

LD50-LC50 Mixture: LD50 ORAL RAT IS 2660 MG/KG Route Of Entry - Inhalation: NO Route Of Entry - Skin: YES Route Of Entry - Ingestion: NO Health Haz Acute And Chronic: ACUTE: BORIC ACID IS A SKIN AND MUCOUS MEMBRANE IRRITANT, A NEPHROTOXIN, AND A CENTRAL NERVOUS SYSTEM DEPRESSANT. POISONING MAY AFFECT THE GASTROINTESTINAL SYSTEM AND CIRCULATORY SYSTEM. RENAL FAILURE MAY ALSO OCCUR. CHRONIC: DERMATITIS. CENTRAL NERVOUS SYSTEM EFFECTS. POISONING. Carcinogenicity - NTP: NO Carcinogenicity - IARC: NO Carcinogenicity - OSHA: NO Explanation Carcinogenicity: NOT APPLICABLE Signs/Symptoms Of Overexp: EYES: NON-IRRITATING. SKIN: IRRITATION. DEATH HAVE OCCURRED BY SKIN ABSORPTION IF SKIN IS DAMAGED. INHALATION: SORE THROAT, COUGH, VISUAL DISTURBANCES, CONVULSION, DEPRESSION, SHOCK, DEATH. INGESTION: NAUSEA, BLOODY DIARRHEA, STOMACH PAIN, VISUAL DISTURBANCES, CONVULSION, DEPRESSION, SHOCK, DEATH. Med Cond Aggravated By Exp: PRE-EXISTING CONDITIONS MAY WORSEN. Emergency/First Aid Proc: EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEE DOCTOR. SKIN: WASH WITH SOAP AND PLENTY OF WATER WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. SEE DOCTOR. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEE DOCTOR. INGESTION: INDUCE VOMITING WITH IPECAC, FOLLOWED BY CHARCOAL. GET MEDICAL ATTENTION IMMEDIATELY.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: SWEEP UP AND PLACE IN SUITABLE FIBERBOARD CONTAINER FOR RECLAMATION OR DISPOSAL. Neutralizing Agent: NOT APPLICABLE Waste Disposal Method: USE COMMERCIAL CHEMICAL DUMP/DISPOSE OF IAW LOCAL, STATE & FEDERAL REGULATIONS. Precautions-Handling/Storing: COOL, DRY AREA. Other Precautions: NONE

Control Measures

Respiratory Protection: USE NIOSH/MSHA APPROVED RESPIRATOR FOR DUST/MIST IF THERE IS NO OR POOR VENTILATION. Ventilation: LOCAL EXHAUST/MECHANICAL TO MAINTAIN AN ADEQUATE VENTILATION. Protective Gloves: RUBBER Eye Protection: SAFETY GLASSES/GOGGLES Other Protective Equipment: APRON, BOOTS, AND FACE & HEAD PROTECTION IF WORKING W/SOLNS. Work Hygienic Practices: AVOID CONTACT WITH SKIN AND EYES; DO NOT BREATHE DUST OR TAKE INTERNALLY. Suppl. Safety & Health Data: NONE