

U.S. BORAX INC. -- BORIC ACID -- 6810-00-153-0191

=====
Product Identification
=====

Product ID: BORIC ACID
MSDS Date: 03/01/1996
FSC: 6810
NIIN: 00-153-0191
MSDS Number: CFVVX
=== Responsible Party ===
Company Name: U.S. BORAX INC.
Address: 26877 TOURNEY ROAD
City: VALENCIA
State: CA
ZIP: 91355-1847
Country: US
Emergency Phone Num: 800-424-9300, SPILLS; 800-228-5635
CAGE: KO330

==== Contractor Identification =

==

Company Name: LOS ANGELES CHEMICAL CO
Address: 4545 ARDINE ST
Box: 1987
City: SOUTH GATE
State: CA
ZIP: 90280
Country: US
Phone: 213-562-9500
CAGE: 75656
Company Name: U.S. BORAX INC.
Address: 26877 TOURNEY ROAD
Box: City: VALENCIA
State: CA
ZIP: 91355-1847
Country: US
CAGE: KO330

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

Ingred Name: BORIC ACID
CAS: 10043-35-3
RTECS #: ED4550000

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

LD50 LC50 Mixture: LD50 ORAL RAT IS

2660 MG/KG

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards 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.

Effects of Overexposure: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.

Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS MAY WORSEN.

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

First Aid: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.

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

Flash Point:NONE

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER SPRAY OR STANDARD FOAM.

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED RESPIRATOR/SCBA IN AN ENCLOSED AREA.

Unusual Fire/Explosion Hazard:NEGLIGIBLE HAZARDS

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

Spill Release Procedures:SWEEP UP AND PLACE IN SUITABLE FIBERBOARD CONTAINER FOR RECLAMATION OR DISPOSAL.

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

Handling and Storage Precautions:COOL, DRY AREA.

Other Precautions:NONE

=====

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

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 INT
ERNALLY.

Supplemental Safety and Health
NONE

=====
Physical/Chemical Properties
=====

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:340F,171C

Vapor Pres:NEGLIGIBLE

Spec Gravity:1.51

pH:6.1@.1

Solubility in Water:4.5% @ 20C

Appearance and Odor:WHITE, ODORLESS, CRYSTALLINE SOLID.

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

Stability Indicator/Materials to Avoid:YES

ACETIC ANHYDRIDE,POTASSIUM AND IRON

Stability Condition to Avoid:EXTREME HEAT

Hazardous D

ecomposition Products:METABORIC ACID, PYROBORIC ACID, BORIC
ANHYDRIDE.

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

Waste Disposal Methods:USE COMMRCIAL CHEMICAL DUMP./DISPOSE OF IAW
LOCAL, STATE & FEDERAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this

information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.