

NORTH AMERICAN CHEMICAL -- THREE ELEPHANT BORIC ACID - BORIC ACID,NF
MATERIAL SAFETY DATA SHEET

NSN: 6505001106640

Manufacturer's CAGE: 9B529

Part No. Indicator: A

Part Number/Trade Name: THREE ELEPHANT BORIC ACID

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General Information
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Item Name: BORIC ACID,NF

Company's Name: NORTH AMERICAN CHEMICAL COMPANY

Company's Street: 13200 MAIN STREET

Company's City: TRONA

Company's State: CA

Company's Country: US

Company's Zip Code: 93562

Company's Emerg Ph #: 619-372-2291

Company's Info Ph #: 619-372-2291

Record No. For Safety Entry: 005

Tot Safety Entries This Stk#: 005

Status: SE

Date MSDS Prepared: 01NOV94

Safety Data Review Date: 03MAY96

Supply Item Manager: KX

MSDS Serial Number: BYVTQ

Specification Number: UNKNOWN

Hazard Characteristic Code: N1

Unit Of Issue: BT

Unit Of Issue Container Qty: 453.6 GRAMS

Type Of Container: BOTTLE

Net Unit Weight: 453.6G/1LB

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Ingredients/Identity Information
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Physical/Chemical Characteristics
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Appearance And Odor: GRANULAR/POWDER SOLID, WHITE COLOR, NO ODOR.

Boiling Point: N/A

Melting Point: 340F,171C

Specific Gravity: 1.4

Solubility In Water: 4.6% @20C,,MODERATE

Viscosity: N/A

pH: N/A

Fire and Explosion Hazard Data

Flash Point: NOT APPLICABLE

Lower Explosive Limit: N/A

Upper Explosive Limit: N/A

Extinguishing Media: USE FIRE FIGHTING MEDIA SUITABLE FOR SURROUNDING FIRE.

Special Fire Fighting Proc: NONE SPECIFIED BY MANUFACTURER.

Unusual Fire And Expl Hazrds: BORIC ACID IS NOT FLAMMABLE & DOES NOT SUPPORT COMBUSTION. EXPLOSIVE/PYROPHORIC/FLAMM/COMBUST/OXIDIZER:NO.

Reactivity Data

Stability: YES

Cond To Avoid (Stability): LOSSES WATER WHEN HEATED ABOVE 100C. MIXING W/INCOMPATIBLE MATLS & HEAT.

Materials To Avoid: POTASSIUM, ACETIC ANHYDRIDE & HEAT SOURCES.

Hazardous Decomp Products: NONE

Conditions To Avoid (Poly): NONE SPECIFIED BY MANUFACTURER.

Health Hazard Data

LD50-LC50 Mixture: ORAL, RAT LD50 2660 MG/KG.

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: IRRITANT TO EYES/NOSE/THROAT/LUNGS. TOXIC IF SWALLOWED. LONG TERM EFFECTS MAY INCLUDE RESPRODUCTIVE & FETAL ABNORMALITIES. CAUTION!MAY CAUSE IRRIT.HARMFUL IF INGEST/ABSORB THRU DMG SKIN.STUDIES IN ANIMALS SHOW DAILY INGEST OF LG AMTS CAUSES EFFECTS ON MALE REPRODUCTIVE SYS(TESTICULAR ATROPHY,REDUCED SPERM (SUPPLEMENT)

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: PER MSDS:REPORTED AS POTENTIAL CARCINOGEN OR CARCINOGEN:NOT APPLICABLE.

Signs/Symptoms Of Overexp: EYE IRRIT, MUCOUS MEMBRANE IRRIT, RESPIRATORY IRRIT, DRY SKIN, WEAKNESS, ABDOMINAL PAIN, VOMITING, DIARRHEA.

Med Cond Aggravated By Exp: KIDNEY,LIVER DISEASES & NERVE DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS MATL.

Emergency/First Aid Proc: INGEST:INDUCE VOMIT IMMED BY GIVING 2 GLASSES OF WATER & STICKING FINGER DOWN THROAT.NEVER GIVE ANYTHING BY MOUTH IF UNCONSC.CALL DR. INHAL:REMOVE TO FRESH AIR.NOT BREATH GIVE ART RESP PREFERABLY MOUTH-TO-MOUTH.DIFFI BREATH GIVE OXY.CALL DR. SKIN:FLUSH W/

WATER.THEN WASH WELL W/SOAP/MILD DETERGENT/WATER. EYE:IMMED FLUSH W/PLENTY OF WATER FOR @LEAST 15MINS.CALL DR. DR:CHEM OF EXPO IS BORIC ACID.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: SOIL:SHOVEL/SWEEPUP INTO CNTNR.RECLAIM FOR SALVAGE VALUE/DISPO IAW FED/STA/LOC REGS.IF PERMITTED WASH TO INDUSTRIAL SEWER.WATER:COLLECT BY SUCTION/DREDGE.DISPO AS FOR SOIL.AIR:ALLOW DUST TO SETTLE.DISPO AS FOR SOIL.OCCUP:SHOVEL/SWEEPUP/DISPOS AS SOIL

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: RCRA WASTE #:NOT APPLICABLE. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Precautions-Handling/Storing: DO NOT INGEST(SWALLOW)MATL.AVOID CONTACT W/ EYES.AVOID BREATH DUST.USE W/ADEQUATE VENTILATION.KEEP CONTAINER CLOSED.

Other Precautions: NONE SPECIFIED BY MANUFACTURER.

Control Measures

Respiratory Protection: USE NIOSH/MSHA APPROVED DUST & MIST RESPIRATOR IF DUST CONCEN EXCEEDS EXPOSURE LIMIT & UP TO 50MG/M3.

Ventilation: USE LOCAL EXHU/GEN VENTI TECHNIQUES.PERSONNEL MUST USE PERSONAL RESPIRATOR IF DUST CONCEN EXCEEDS EXPO LIMITS.

Protective Gloves: ORDINARY WORK GLOVES.

Eye Protection: SAFETY GLASSES OR VENTED SAFETY GOGGLES.

Other Protective Equipment: WEAR EASILY WASHABLE CLOTHING.CHANGE DAILY. WASH CLOTHING BEF REUSE.

Work Hygienic Practices: WASH THOROUGHLY AFT HANDLING.

PRODUCTION,& STERILITY) & FETAL DEVELOPMENTAL EFFECTS(ORG & SKELETAL ABNORMALITIES).

Transportation Data

Trans Data Review Date: 96124

DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

AFI PSN Code: ZZZ

AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

Additional Trans Data: PER MSDS:DOT PROPER SHIPPING NAME/DOT HAZ

CLASS/ID#/RQ:NOT APPLICABLE

Disposal Data

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Label Data
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Label Required: YES

Technical Review Date: 03MAY96

Label Status: F

Common Name: THREE ELEPHANT BORIC ACID

Chronic Hazard: YES

Signal Word: WARNING!

Acute Health Hazard-Moderate: X

Contact Hazard-Slight: X

Fire Hazard-None: X

Reactivity Hazard-None: X

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HARMFUL IF INGEST/ABSORB THRU DMG SKIN.TARGET ORGANS:KIDNEY/LIVER/NERVOUS
SYS/REPRODU SYS/EYE/SKIN.1ST AID:INGEST:INDUCE VOMIT IMMED BY GIVING 2
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IF UNCONSC.CALL DR. INHAL:REMOVE TO FRESH AIR.NOT BREATH GIVE ART RESP
PREFERABLY MOUTH-TO-MOUTH.DIFFI BREATH GIVE OXY.CALL DR. SKIN:FLUSH W/
WATER.THEN WASH WELL W/SOAP/MILD DETERGENT/WATER. EYE:IMMED FLUSH W/PLENTY
OF WATER FOR @LEAST 15MINS.CALL DR. DR:CHEM OF EXPO IS BORIC ACID. NON-
FLAMMABLE.

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

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