

ASHLAND CHEMICAL -- BORAX 5 MOL TECH GRANULAR
MATERIAL SAFETY DATA SHEET
ASHLAND CHEMICALNSN: 681000N069220
Manufacturer's CAGE: 34897
Part No. Indicator: A
Part Number/Trade Name: BORAX 5 MOL TECH GRANULAR

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General Information
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Company's Name: ASHLAND CHEMICAL INC
Company's P. O. Box: 2219
Company's City: COLUMBUS
Company's State: OH
Company's Country: US
Company's Zip Code: 43216
Company's Emerg Ph #: 800-274-5263
Company's Info Ph #: 614-889-3333
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 31MAY89
Safety Data Review Date: 19MAR96
MSDS Serial Number: CBKCL

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: BORIC ACID, DISODIUM SALT; (SODIUM TETRABORATE PENTAHYDRATE)
Ingredient Sequence Number: 01
Percent: >60
NIOSH (RTECS) Number: VZ2275000
CAS Number: 1330-43-4
OSHA PEL: 10 MG/M3
ACGIH TLV: 1 MG/M3

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Physical/Chemical Characteristics
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Appearance And Odor: NONE SPECIFIED BY MANUFACTURER.
Boiling Point: N/A
Vapor Pressure (MM Hg/70 F): N/A
Vapor Density (Air=1): N/A
Specific Gravity: 1.815
Evaporation Rate And Ref: NOT APPLICABLE
Percent Volatiles By Volume: N/A

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Fire and Explosion Hazard Data
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Flash Point: NOT APPLICABLE
Lower Explosive Limit: N/A
Upper Explosive Limit: N/A
Extinguishing Media: REGULAR FOAM, WATER FOG, CARBON DIOXIDE OR DRY
CHEMICAL.
Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE
EQUIPMENT (FP N).
Unusual Fire And Expl Hazrds: NOT APPLICABLE

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Reactivity Data
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Stability: YES
Cond To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.
Materials To Avoid: NOT APPLICABLE
Hazardous Decomp Products: NOT APPLICABLE
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT

Health Hazard Data

LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

PROLONGED CONTACT MAY CAUSE IRRITATION & CHRONIC DERMATITIS; ABSORPTION OF BORON THROUGH BROKEN SKIN PRODUCES SYMPTOMS SIMILAR TO THOSE FOR SWALLOWING. INHALATION: BREATHING OF DUST CAN CAUSE IRRITATION OF NASAL & RESPIRATORY PASSAGES. INGESTION: CAN CAUSE NAUSEA, (EFTS OF OVEREXP)

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NOT RELEVANT

Signs/Symptoms Of Overexp: HLTH HAZ: VOMITING, DIARRHEA, WEAKNESS, DEPRESSION, HEADACHES, SKIN RASHES, DRY SKIN, LOSS OF HAIR, CRACKED LIPS, SHOCK.

Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.

Emergency/First Aid Proc: SKIN: THORO WASH EXPOS AREA W/ SOAP & WATER.

REMOVE CONTAM CLTHG. LAUNDRY CONTAM CLTHG BEFORE RE-USE. EYES: FLUSH W/ LG AMTS OF WATER FOR AT LST 15 MINS, LIFTING UPPER & LOWER LIDS OCCAS. GET MED ATTN. INGEST: IMMEDIATELY DRINK 2 GLASSES OF WATER & INDUCE VOMIT BY EITHER GIVING IPECAC SYRUP/ BY PLACING FINGER AT BACK OF THROAT. NEVER GIVE ANYTHING BY MOUTH TO UNCON PERS. GET MED ATTN IMMEDIATE. INHAL: (SUPP DATA)

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: SMALL SPILL: SWEEP UP MATERIAL FOR DISPOSAL OR RECOVERY. LARGE SPILL: SHOVEL MATERIAL INTO CONTAINERS. THOROUGHLY SWEEP AREA OF SPILL TO CLEAN UP ANY RESIDUAL MATERIAL.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: SMALL SPILL: PACKAGE MATERIAL IN PAPER & DEPOSIT IN LANDFILL I/A/W LOCAL, STATE & FEDERAL REGULATIONS. LARGE SPILL: DEPOSIT IN LANDFILL I/A/W LOCAL, STATE & FEDERAL REGULATIONS.

Precautions-Handling/Storing: NONE SPECIFIED BY MANUFACTURER.

Other Precautions: CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID &/ OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THIS MSDS MUST BE OBSERVED.

Control Measures

Respiratory Protection: IF NEEDED USE A NIOSH/MSHA APPROVED DUST RESPIRATOR. (ASK YOUR SAFETY EQUIPMENT SUPPLIER).

Ventilation: PROVIDE SUFFICIENT MECHANICAL (GENERAL &/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves: RESISTANT GLOVES SUCH AS: NEOPRENE.

Eye Protection: ANSI APPROVED CHEM WORKERS GOGGLES (FP N).

Other Protective Equipment: EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA (FP N). TO PVNT RPTD/PRLNG SKIN CONT, WEAR (SUPDAT)

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Suppl. Safety & Health Data: FIRST AID PROC: REMOVE INDIVIDUAL TO FRESH AIR. IF BRTHG IS DIFFICULT, ADMIN OXYGEN. IF BRTHG HAS STOPPED GIVE ARTF RESP. KEEP PERSON WARM, QUIET & GET MED ATTN. OTHER PROT EQUIP: IMPERVIOUS CLOTHING & BOOTS.

Transportation Data

Disposal Data

Label Data

Label Required: YES

Technical Review Date: 19MAR96

Label Date: 08FEB96
Label Status: G
Common Name: BORAX 5 MOL TECH GRANULAR
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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Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: ASHLAND CHEMICAL INC
Label P.O. Box: 2219
Label City: COLUMBUS
Label State: OH
Label Zip Code: 43216
Label Country: US
Label Emergency Number: 800-274-5263