

COLUMBUS CHEMICAL INDUSTRIES INC -- BORIC ACID -- 6810-00-153-0191

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Product Identification
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Product ID: BORIC ACID

MSDS Date: 02/10/1988

FSC: 6810

NIIN: 00-153-0191

MSDS Number: BJSDK

=== Responsible Party ===

Company Name: COLUMBUS CHEMICAL INDUSTRIES INC

Address: N 4335 TEMKIN RD

City: COLUMBUS

State: WI

ZIP: 53925

Country: US

Info Phone Num: 414-623-2140

Emergency Phone Num: 414-623-2140

CAGE: 5Y

144

=== Contractor Identification ===

Company Name: COLUMBUS CHEMICAL INDUSTRIES INC

Address: N 4335 TEMKIN RD

Box: 8

City: COLUMBUS

State: WI

ZIP: 53925-0008

Country: US

Phone: 920-623-2140

CAGE: 5Y144

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Composition/Information on Ingredients
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Ingred Name: BORIC ACID

CAS: 10043-35-3

RTECS #: ED4550000

Fraction by Wt: 100%

Other REC Limits: NONE SPECIFIED

Ingred Name: ARSENIC (SARA III)

CAS: 7440-38-2

RTECS #: CG0525000

Fraction by Wt: TRACE

Other REC Limits: NONE SPECIFIED

OSHA PE

L:0.5 MG/M3 (AS)
ACGIH TLV:0.01,A1 MG/M3; 9394
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:LD50 ORAL RAT IS 3160 MG/KG
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:HEALTH HAZARDS: ACUTE: SLIGHT EYE
IRRITANT. LARGE AMOUNTS ABSORBED INTO BLOOD STREAM FROM INGESTION
OR THROUGH DAMAGED SKIN MAY RESULT IN ERYTHEMA, MACULAR
RASH, AND
CENTRAL NERVOUS SYSTEM EFFECTS AFT ER 24 HOURS. CHRONIC: NO LONG
TERM, LOWLEVEL EXPOSURE EFFECTS SPECIFIED BY MANUFACTURER.
Explanation of Carcinogenicity:NO EVIDENCE OF MUTAGENIC, ONCOGENIC OR
TERATOGENIC ACTIVITY.
Effects of Overexposure:EYES: SLIGHT IRRITATION. SKIN: NO PENETRATION
OF INTACT SKIN. MAY CAUSE SLIGHT IRRITATION ON DAMAGED SKIN.
INHALATION: NUISANCE DUST. MAY CAUSE TRANSITORY SNEEZING AND
COUGHING. INGESTION: MAY CAUSE N AUSEA, VOMITING AND DIAR
RHEA IN
LARGE DOSES.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH TEPID WATER FOR 15 MINUTES. SKIN: FLUSH WITH
WATER. IF SKIN IS DAMAGED, DRINK LARGE AMOUNTS OF WATER OR MILK.
SEE DOCTOR. INHALATION: REMOVE TO FRESH AIR. INGESTION: INDUCE
VOMITING. DRINK LARGE AMOUNTS OF WATER OR MILK. SEE DOCTOR.

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

Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE
FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED
CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.
Unusual Fire/Explosion Hazard:NONE. PRODUCT IS AN INHERENT FIRE
RETARDANT.

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

Spill Release Procedures:WEAR DUST MASK. SWEEP OR VACUUM F

OLLOWED BY

WATER RINSE. PLACE IN APPROPRIATE DISPOSAL CONTAINER AND COVER

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Handling and Storage
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Handling and Storage Precautions:STORE IN COOL,DRY,WELL VENTILATED
AREA.PROTECT FROM PHYSICAL DAMAGE.AVOID ANY PHYSICAL CONTACT.KEEP
CONTAINERS TIGHTLY CLOSED.

Other Precautions:NONE.

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Exposure Controls/Personal Protection
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Respiratory Protection:USE NUISANCE DUST MASK.

Ventilation:LOCAL EXHAUST TO MAINTAIN EXPOSURE
LEVEL BELOW TLV.

Protective Gloves:NONE UNLESS SKIN IS DAMAGED.

Eye Protection:DUST GOGGLES.

Other Protective Equipment:NONE

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.DO NOT SHAKE
CLOTHING.REMOVE DUST BY WASHING OR VACUUMING.

Supplemental Safety and Health

NOTE TO PHYSICIAN: BORIC ACID IS NOT CONSIDERED AN ACUTE POISON. AFTER
INGESTION OR ABSORPTION INTO BLOOD STREAM OF LARGE AMOUNTS,
SYMPTOMS MAY APPEAR AFTER 24-72 HOURS. BORATES ARE READILY
DISSIPATED THROUGH UR

INE. GASTRIC LAVAGE WITH 5% SODIUM

BICARBONATE SOLUTION SUGGESTED FOR LARGE AMOUNTS INGESTED.

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Physical/Chemical Properties
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HCC:C3

NRC/State Lic Num:NOT RELEVANT

Melt/Freeze Pt:=-171.1C, 340.F

Spec Gravity:1.51

pH:3.7

Solubility in Water:4.7%

Appearance and Odor:WHITE CRYSTALLINE SOLID.

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

ACETIC ANHYDRIDE, ELEMENTAL POTASSIUM.

Stability Condit

ion to Avoid:WILL DEHYDRATE AT 212-302F

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:NOTIFY YOUR LOCAL ENVIRONMENTAL OFFICER. KEEP IN COVERED CONTAINERS PENDING DISPOSAL.DISPOSE OF IN ACCORDANCE WITH FEDERAL.STATE AND LOCAL REGULATIONS. MAY BE SOLD AS SCRAP FOR RECLAIM.

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