

E M SCIENCE DIV OF E M IND INC — 160 BORIC ACID — 6810-00F025816

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

Product ID:160 BORIC ACID

MSDS Date:10/27/1987

FSC:6810

NIIN:00F025816

MSDS Number: BPSVR

==== Responsible Party ====

Company Name:E M SCIENCE DIV OF E M IND INC

Address:111 WOODCREST ROAD

City:CHERRY HILL

State:NJ

ZIP:08034-0395

Country:US

Info Phone Num:609-354-9200

Emergency Phone Num:513-631-0445

CAGE:63612

==== Contractor Identification ====

Company Name:E M SCIENCE DIV OF E M INDUSTRIES INC

Address:480 DEMOCRAT ROAD

Box:70

City:GIBBSTOWN

State:NJ

ZIP:08027

Country:US

Phone:800-222-0342/609-423-6300

CAGE:63612

Company Name:FALCON

CAGE:08474

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

Ingred Name:BORIC ACID, ORTHOBORIC ACID

CAS:10043-35-3

RTECS #:ED4550000

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

LD50 LC50 Mixture:ORAL LD50 (RAT): 2660 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:INHALATION: HARMFUL. EYES: IRRITATION.

SKIN: IRRITATION, TOXIC ABSORPTION THROUGH WOUNDS OR MUCOUS

MEMBRANES. INGESTION: HARMFUL, GASTROINTESTINAL IRRITATION, NAUSEA,

VOMITING, DIARRHEA, CIRCULATORY FAILURE, COMA, FATAL.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INGESTION: KIDNEY & LIVER DAMAGE.

Medical Cond Aggravated by Exposure:SKIN DISORDERS OR EYE PROBLEMS,

IMPAIRED LIVER, KIDNEY, OR RESPIRATORY FUNCTION

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

First Aid:SKIN: IMMEDIATELY FLUSH THOROUGHLY W/LARGE AMOUNTS OF WATER.
EYES: IMMEDIATELY FLUSH THOROUGHLY W/WATER FOR AT LEAST 15 MINS.
INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. INGESTION: IF CONSCIOUS, INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Flash Point:NON-COMBUSTIBLE
Extinguishing Media:USE ANY SUITABLE MEDIA FOR ADJACENT MATERIAL.
Fire Fighting Procedures:WEAR SELF-CONTAINED, POSITIVE PRESSURE, BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:A MIXTURE OF BORIC ACID & POTASSIUM CAN EXPLODE ON IMPACT.

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

Spill Release Procedures:TAKE UP & CONTAINERIZE FOR PROPER DISPOSAL.

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED TIGHTLY. DON'T BREATHE DUST. AVOID CONTACT W/EYES, SKIN, OR CLOTHING. DON'T TAKE INTERNALLY.
Other Precautions:MOISTURE CONTAMINATION CAN CAUSE BORIC ACID TO BE CORROSIVE TO IRON.

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

Respiratory Protection:NIOSH/MSHA-APPROVED RESPIRATOR SHOULD BE WORN IN THE ABSENCE OF ADEQUATE VENTILATION.
Ventilation:USE APPROVED FUME HOOD OR ADEQUATE VENTILATION WHEN HANDLING OR TRANSFERRING MATERIAL.
Protective Gloves:NATURAL RUBBER/NEOPRENE/NITRILE
Eye Protection:SAFETY GLASSES W/SIDE SHIELDS
Other Protective Equipment:EYE WASH & SAFETY EQUIPMENT
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health

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

Boiling Pt:B.P. Text:DECOMPOSES
Melt/Freeze Pt:M.P/F.P Text:185C
Vapor Pres:2.6
Spec Gravity:1.435
Solubility in Water:5%
Appearance and Odor:WHITE POWDER OR GRANULES, ODORLESS.

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

Stability Indicator/Materials to Avoid: YES

WATER, POTASSIUM, ACETIC ANHYDRIDE, ALKALIES, CARBONATES, & HYDROXIDES

Stability Condition to Avoid: MOISTURE CONTAMINATION

Hazardous Decomposition Products: BORON OXIDE

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS.

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