



SECTION IV - HEALTH HAZARD INFORMATION

EFFECTS OF EXPOSURE (SYMPTOMS)

INGESTION:

ACUTE ORAL LD<sub>50</sub> (rats) 6.13 g/kg.

Small amounts (up to 15 grams) - slight nausea, vomiting, diarrhea.

Large amounts (15 grams or more) - nausea, vomiting, diarrhea.

EYE: (16CFR §1500.42) - Not an eye irritant. May cause slight, reversible conjunctivitis.

SKIN: - None.

ACUTE DERMAL LD<sub>50</sub> (16CFR §1500.40) Greater than 10 g/kg (rabbits).

PRIMARY SKIN IRRITATION INDEX: (16CFR §1500.41) - 0 (zero).

CORROSIVE

NON CORROSIVE: - X

INHALATION - May cause slight nasal irritation as a nuisance dust.

ACUTE LC<sub>50</sub> - N/A

Borax 10 Mol Rev. 10/8/87

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US BORAX

## EFFECTS OF OVEREXPOSURE

### ACUTE OVEREXPOSURE/METHOD OF EXPOSURE/SYMPTOMS

Inhalation: Sneezing, coughing.

Eyes: Slight irritation.

Skin: None.

Ingestion: Nausea, vomiting, diarrhea, erythematous flush.

### CHRONIC OVEREXPOSURE/METHOD OF EXPOSURE/SYMPTOMS

Inhalation: Coughing.

Eyes: Slight conjunctivitis.

Skin: None

Ingestion: Erythematous flush, macular skin rash: CNS effects.  
See Page 6.

OSHA Permissible Exposure LIMIT (PEL) Not listed. 29CFR §1910 Subpart Z

ACGIH Recommended Threshold Limit Value - 5 mg/m<sup>3</sup> (1984-1985)  
No data base.

### National Toxicology Program Annual Report on Carcinogens

Year 1987 Listed Not Listed - X

### International Agency for Research on Cancer (IARC)

Monograph Yes  
No - No

OSHA CARCINOGEN - No

## EMERGENCY AND FIRST AID PROCEDURES:

EYES Flush eyes with tepid water for 15 minutes.

SKIN Rinse with water.

INHALATION Remove to fresh air.

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**EMERGENCY AND FIRST AID PROCEDURES:** 

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**INGESTION**

Induce emesis. Drink large amounts of water and/or milk.  
Consult physician.

**NOTE TO PHYSICIAN**

Not an acute poison. Ingestion of large amounts (15 grams or more) - gastric lavage, with 5% sodium bicarbonate; saline cathartic. For further medical management, call emergency number of page 1. See page 6.

**SECTION V - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (Method used) Not applicable FLAMMABLE LIMITS Lel Uel

EXTINGUISHING MEDIA Fire retardant.

SPECIAL FIREFIGHTING PROCEDURES None.

UNUSUAL FIRE AND EXPLOSION HAZARDS None.

**SECTION VI - REACTIVITY DATA**

STABILITY UNSTABLE CONDITIONS TO AVOID

STABLE X

INCOMPATIBILITY (materials to avoid) - Elemental zirconium.

HAZARDOUS DECOMPOSITION PRODUCTS None.

HAZARDOUS POLYMERIZATION MAY OCCUR WILL NOT OCCUR X

CONDITIONS TO AVOID - Avoid heating with elemental zirconium.

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**SECTION VII – SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Sweep or vacuum. Rinse area with water.

**WASTE DISPOSAL METHOD**

Solid landfill or sanitary sewer. Not considered hazardous waste.

**SECTION VIII – SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION (Specify type) - Nuisance dust mask.

VENTILATION LOCAL EXHAUST -  SPECIAL

MECHANICAL (General) OTHER

PROTECTIVE GLOVES - None required. EYE PROTECTION - Glasses suggested.

OTHER PROTECTIVE EQUIPMENT - None.

**SECTION IX – SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

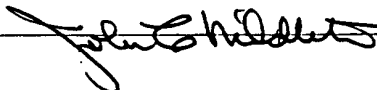
Dry indoor storage.

**OTHER PRECAUTIONS**

Maintain package integrity.

Borax 10 Mol

DATE: Oct. 8, 1987 SIGNATURE: \_\_\_\_\_  
Revised



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NOTE: Two year feeding studies on rats and dogs showed no appreciable accumulation of boron in the body. Ingested borates are dissipated in the urine - 70% in the first 24 hours. No adverse effects were noted at the 0.31% dietary level.

Complimentary blood analysis available for physicians and emergency rooms. Medical consultant available.