

Humco Holding Group, Inc.

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**BORIC ACID TECHNICAL POWDER**

**Date Prepared: 04/09/99**

**SECTION 1**

**PRODUCT IDENTIFICATION**

**Product:** Boric Acid Tech. Powder

**Chemical Formula:** H3BO3 **Chemical Name/Synonyms:** Boric Acid

Boric Acid

**Chemical Family:** Inorganic Borates

**CAS Registry Number:** 10043-35-3

**NFPA Classification**

**HMIS Classification**

Health 0  
Flammability 0  
Reactivity 0

Red (Flammability) 0  
Yellow (Reactivity) 0  
Blue (Acute Health) 1\*

**Boric Acid Powder**

**SECTION 7.1.7 ADDITIONAL INFORMATION**

**POTENTIAL HEALTH EFFECTS (Cont'd):**

Boric Acid dusts at levels greater than 10 mg/m<sup>3</sup>.

**Eye Contact:** Boric acid is non-irritating to eyes in normal industrial use.

**Boric Acid Powder**

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**SECTION 3 FIRST AID MEASURES (Cont'd)**  
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**Ingestion:** Swallowing less than one teaspoon will cause no harm to healthy adults. If larger amounts are swallowed, give two glasses of water to drink and seek medical attention.

**NOTE TO PHYSICIANS:** Observation only is required for adult ingestion of less than 6 grams of Boric Acid. For ingestion in excess of 6 grams, maintain adequate kidney function and force fluids. Gastric lavage is recommended for symptomatic patients only. Hemodialysis should be reserved for massive acute ingestion or patients with renal failure. Boric Acid analyses of urine or blood are only useful for documenting exposure and should not be used to evaluate severity of poisoning or to guide treatment. (For further information: Litovitz T.L., Norman, S.A., Veltri, J.C. Annual Report of the American Association of Poison Control Centers Data Collection System.

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**SECTION 4 FIRE-FIGHTING MEASURES**  
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~~General Hazard: None, because Boric Acid is not flammable, combustible or explosive. The~~

**Boric Acid Powder**

**SECTION 6**

**HANDLING AND STORAGE**

**Storage Pressure:** Atmospheric

**General:** though Boric Acid does not require any special precautions it is sensitive to moisture

and will cake. Therefore, the bags should be kept tightly sealed and be stored indoors in a dry environment. Also, the bags should be rotated on a "first-in first-out" basis. Good housekeeping

**Boric Acid Powder****SECTION 9****STABILITY & REACTIVITY**

Boric Acid is a stable product, but when heated it loses water, first forming Metaboric Acid ( $\text{HBO}_2$ ), and on further heating it is converted into Boric Oxide ( $\text{B}_2\text{O}_3$ ).

metals. Reaction with strong reducing agents such as metal hydrides or alkali metals will generate hydrogen gas, which could create an explosive hazard.

**Boric Acid Powder**

**SECTION 10**

**TOXICOLOGICAL INFORMATION (Cont'd)**

**Developmental Toxicity:** Boric Acid at dietary levels of 1000 ppm (79 mg/kg/d) administered to

pregnant female rats throughout gestation caused a slight reduction in fetal weight but was

SECTION 13

TRANSPORT INFORMATION

DOT Hazardous Material Classification: Boric Acid is not a U.S. Department of transportation (DOT) Hazardous Material.

DOT Hazardous Substances Classification: Boric Acid is not a DOT Hazardous Substance.

International Transportation: Boric Acid has no U.N. Number and is not regulated under any

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REGULATORY INFORMATION

RCRA: Boric Acid is not listed as a hazardous waste under any sections of the Resource