

## SAFETY DATA SHEET



Humco Holding Group, Inc.  
7400 Alumax Dr  
Texarkana TX 75501 USA  
800-662-3435  
cs@humco.com  
www.humco.com

24-Hour Emergency Number (CHEMTREC)  
USA- 800-424-9300  
International – 703-527-3887

All non-emergency calls should be directed to  
Customer Service at 800-662-3435

**NAME: BORIC ACID POWDER**

**SDS NO. 0303**

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** BORIC ACID POWDER

**Synonyms:** Boracic acid; Orthoboric acid; Hydrogen borate

**Recommended Use:** Technical use/Household & Farm Products

**Manufacturer by:** Humco Holding Group, Inc.

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### 2. HAZARD IDENTIFICATION

<b>Pictogram:</b>	
<b>Classification:</b>	Reproductive toxicity (Category 2)
<b>Signal Word:</b>	Warning, Health Hazard
<b>Hazard Statements:</b>	May be harmful if swallowed, May cause harm to the unborn child. May impair fertility. Irritating to eyes and skin. May cause central nervous system effects.

### 3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
BORIC ACID	10043-35-3

#### 4. FIRST-AID MEASURES

ROUTE	COMMON SYMPTOMS	FIRST AID
<b>Inhalation</b>	Trouble breathing	Remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Ingestion</b>	Products containing Boric Acid are not intended for ingestion. Boric Acid has a relatively low acute toxicity. Small amounts (e.g. a teaspoonful) swallowed accidentally are not likely to cause effects; swallowing amounts larger than that may cause gastrointestinal symptoms.	Do not induce vomiting. If material is swallowed, get medical attention or advice
<b>Skin</b>	Boric Acid does not cause irritation to intact skin.	If irritation occurs, wash skin with soap and plenty of water. If irritation persists, get medical attention.
<b>Eyes</b>	Irritation	Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If symptoms persist, get medical attention.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash Point:</b>	Not applicable
<b>Auto Ignition:</b>	Non-flammable
<b>Extinguishing Media:</b>	Use methods appropriate for the surrounding fire. Consider water spray or fog, carbon dioxide, dry chemical powder, or alcohol resistant foam.
<b>Products of Combustion:</b>	Upon combustion this product may emit carbon dioxide, carbon monoxide and/or Borane/boron oxides
<b>Fire Fighting Equipment and Procedures:</b>	Wear protective clothing and equipment suitable for the surrounding fire, including helmet, facemask, and self-contained breathing apparatus.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Read entire label before using and follow all label directions.
<b>Environmental Precautions:</b>	Prevent discharge to open waters.
<b>Method of Containment:</b>	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

<b>Method for Clean-Up:</b>	Ventilate area of spill or leak. Sweep or scrap up and containerize in approved chemical waste container. Wash spill area with water.
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## 7. HANDLING AND STORAGE

<b>Handling:</b>	Do not take internally. Do not consume food, drink or smoke while handling this product.
<b>Storage:</b>	Keep container tightly closed in a dry and well-ventilated place. Moisture sensitive.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Engineering Controls:</b>	Normal room ventilation is usually adequate under normal use. Handle in accordance with good industrial hygiene and safety practice.
<b>Personal Protective Equipment (PPE)</b>	
<b>Eye/Face Protection:</b>	Safety glasses with side-shields
<b>Skin Protection:</b>	Handle with gloves.
<b>Respiratory Protection</b>	None needed under normal use.
<b>General Hygiene Considerations:</b>	Wash hands after use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White Powder Slightly Unctuous To The Touch	<b>Upper/Lower Flammability:</b>	Not determined
<b>Odor:</b>	Odorless	<b>Vapor Pressure</b>	Not determined
<b>Odor Threshold:</b>	Not determined	<b>Vapor Density:</b>	Not determined
<b>pH:</b>	5.0 at 1.8g/l	<b>Relative Density:</b>	1.43
<b>Melting point</b>	171°C	<b>Solubilities:</b>	Soluble in hot water
<b>Boiling point/range:</b>	300°C	<b>Partition coefficient: n-octanol/water:</b>	Not determined
<b>Flash point</b>	Not determined	<b>Auto-ignition temperature</b>	Not determined
<b>Evaporation rate</b>	Not determined	<b>Decomposition Temperature:</b>	Not determined
<b>Flammability:</b>	Not flammable	<b>Viscosity</b>	Not determined

## 10. STABILITY AND RACTIVITY

<b>Reactivity:</b>	Not reactive
<b>Chemical Stability:</b>	Stable under normal ambient temperatures (70°F)
<b>Possibility of Hazardous reactions:</b>	Not determined.
<b>Conditions to Avoid:</b>	Exposure to moisture and extreme heat

<b>Incompatible materials:</b>	Potassium, Acid anhydrides
<b>Hazardous Decomposition Products:</b>	Not determined

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	LD50 Oral - rat - 2,660 mg/kg
<b>Skin irritation:</b>	Not determined.
<b>Eye contact damage:</b>	Not determined.
<b>Respiratory damage:</b>	Not determined.
<b>Ingestion overdose:</b>	Not determined.
<b>Delayed, immediate, or chronic effects from short- and long-term exposure</b>	Not determined.
<b>LD50</b>	Not determined.
<b>Symptoms associated with exposure:</b>	None expected: May cause skin irritation to sensitive people.
<b>Carcinogenicity:</b>	
<b>OSHA:</b>	Not listed
<b>NTP:</b>	Not listed
<b>IARC:</b>	Not listed

## 12. ECOLOGICAL INFORMATION

<b>Acute or chronic aquatic toxicity:</b>	LC50 - Ptychocheilus lucius - 279 mg/l - 96 h
<b>Chemical degradation:</b>	Not determined.
<b>Biodegradation:</b>	Not determined.
<b>Bioaccumulation potential</b>	Not determined.
<b>Adsorption studies or leaching studies:</b>	Not determined.
<b>Other adverse effects</b>	Not determined.

## 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local laws and regulations. Avoid release into environment.

## 14. TRANSPORT INFORMATION

<b>DOT Hazard Classification:</b>	Non-Hazardous
<b>UN number:</b>	Not applicable
<b>UN proper shipping name:</b>	Not applicable
<b>Transport hazard class(es):</b>	Not applicable
<b>Packing group number:</b>	Not applicable

<b>Environmental hazards:</b>	Not applicable
<b>Special precautions:</b>	Avoid Exposure to moisture and extreme heat

## 15. REGULATORY INFORMATION

Not determined

## 16. OTHER INFORMATION

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