



Humco Holding Group, Inc.
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24-Hour Emergency Number (CHEMTREC)
USA- 800-424-9300
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

Pictogram:	
Classification:	Reproductive toxicity (Category 2)
Signal Word:	Warning, Health Hazard
Hazard Statements:	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 ≥ 99%	10043-35-3

4. FIRST-AID MEASURES

ROUTE	COMMON SYMPTOMS	FIRST AID
Inhalation	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.
Ingestion	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
Skin	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.
Eyes	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

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

6. ACCIDENTAL RELEASE MEASURES

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

Method for Clean-Up:	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

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

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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

9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY AND RACTIVITY

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

Incompatible materials:	Potassium, Acid anhydrides
Hazardous Decomposition Products:	Not determined

11. TOXICOLOGICAL INFORMATION

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

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

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

Environmental hazards:	Not applicable
Special precautions:	Avoid Exposure to moisture and extreme heat

15. REGULATORY INFORMATION

Not determined

16. OTHER INFORMATION

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