



**Sujata**  
Nutri-Pharma

**SUJATA NUTRI-PHARMA PVT. LTD.**  
875/2, GIDC Estate, Makarpura, Vadodara-390010

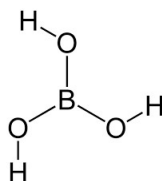
### MATERIAL SAFETY DATA SHEET

Name of product : <b>BORIC ACID</b>	Page Revision no .	1 of 9 00
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#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifiers:

Product form : Substance  
Substance name : BORIC ACID  
CAS No : 10043-35-3  
Formula : H3BO3



##### 1.2 Relevant identified uses of the substance or mixture and uses advised again

Use of the substance/mixture : For laboratory and manufacturing use only.

##### 1.3 Details of the supplier of the safety data sheet

Company : Sujata Nutri-Pharma Pvt. Ltd.  
875/2 GIDC Estate Makarpura Vadodara 390010, Gujarat , India  
Telephone : 0265-3500351  
Website : www.sujatanutripharma.com  
Email : info@sujatanutripharma.com

##### 1.4 Emergency telephone number

Emergency telephone : 02652630282 (9:00 to 6:00) office hours only

#### SECTION 2: Hazards identification

##### 2.1 Classification of the substance or mixture

###### GHS-US classification

Reproductive toxicity Category 1B H360  
Full text of H statements : see section 16

##### 2.2 Label elements

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NAME	Khushbu Divasaliwala	Niyati Parmar	Hardik Shah
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**GHS-US labeling** :

Hazard pictograms  
(GHS-US)



GHS08

Signal word (GHS-US) :

Danger

Hazard statements  
(GHS-US) :

H360 - May damage fertility or the unborn child

Precautionary  
statements (GHS-US) :

P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P280 - Wear protective gloves, eye protection P308+P313 - IF exposed or concerned: Get medical advice/attention P405 - Store locked up P501 - Dispose of contents/container to comply with local, state and federal regulations

**2.3 Other hazards**

Other hazards not contributing to the classification: None.

**2.4. Unknown acute toxicity**

Not applicable

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

Substance type : Mono-constituent  
Name : Boric Acid : (Main constituent)  
Product identifier : (CAS No) 10043-35-3  
% : 100

GHS classification : **Repr.1B H360**  
Full text of hazard classes and H-statements : see section 16

**3.2. Mixture** ;Not applicable

**Section 4: First Aid Measures**

**4.1 Description of first aid measures**

First-aid measures general : Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.  
First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest.  
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.  
First-aid measures after : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical

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ingestion attention.

**4.2 Most important symptoms and effects, both acute and delayed**

Symptoms/injuries : May damage fertility or the unborn child.  
Symptoms/injuries after inhalation : May cause respiratory irritation.  
Symptoms/injuries after skin contact : Slight irritation.  
Symptoms/injuries after eye contact : May cause slight irritation.  
Symptoms/injuries after ingestion : Nausea. Vomiting. Diarrhoea. May cause cyanosis.  
Chronic symptoms : Cracking of the skin.

**4.3 Indication of any immediate medical attention and special treatment needed**

None. Obtain medical assistance.

**SECTION 5: Fire Fighting Measures**

**5.1 Extinguishing media**

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.  
Unsuitable extinguishing media : Do not use a heavy water stream

**5.2 Special hazards arising from the substance or mixture**

Fire hazard : Not flammable.  
Explosion hazard : Not applicable.  
Reactivity : None.

**5.3 Advice for firefighters**

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection

**5.4 Further information**

No data available

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

**6.1.1. For non-emergency personnel** :  
Emergency procedures : Evacuate unnecessary personnel

**6.1.2. For emergency responders** :  
Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Ventilate area.

**6.2 Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters..

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### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

### 6.4 Reference to other sections

See Heading 8. Exposure controls and personal protection.

## Section 7: Handling and Storage

### 7.1 Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

### 7.2 Conditions for safe storage, including any incompatibilities

Store at ambient/room temperature away from sunlight in a tightly closed condition.

## Section 8: Exposure Controls/Personal Protection

### 8.1 Control parameters

ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
ACGIH	ACGIH Ceiling (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>

### 8.2 Exposure controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment : Safety glasses. Gloves. Dust formation: dust mask.






Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Respiratory protection : Dust formation: dust mask.

Other information : Do not eat, drink or smoke during use.

## Section 9: Physical and Chemical Properties

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**9.1. Information on basic physical and chemical properties**

Physical state : Solid  
 Appearance : Powder.  
 Color : White  
 Odor : odorless  
 Odor threshold : No data available  
 pH : 3.8 - 4.8 3.3% solution  
 Melting point : 169 °C  
 Freezing point : No data available  
 Boiling point : 300 °C  
 Flash point : No data available  
 Relative evaporation rate (butyl acetate=1) : No data available  
 Flammability (solid, gas) : Non flammable.  
 Vapor pressure : 2.7 mbar 20°C  
 Relative vapor density at 20 °C : No data available  
 Relative density : No data available  
 Specific gravity / density : 1.435 g/cm<sup>3</sup>  
 Molecular mass : 61.83 g/mol

Solubility : Soluble in water.  
 Water: 6.35 g/100ml  
 Ethanol: 5.56 g/100ml  
 Ether: 0.0078 g/100ml

Log Pow : -0.757  
 Auto-ignition temperature : No data available  
 Decomposition temperature : 100 °C  
 Viscosity, kinematic : No data available  
 Viscosity, dynamic : No data available  
 Explosion limits : No data available  
 Explosive properties : Not applicable.  
 Oxidizing properties : None.

**Section 10 : Stability and Reactivity Data**

**10.1. Reactivity**

None.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Not established.

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**10.4. Conditions to avoid**

Direct sunlight. Extremely high or low temperatures.

**10.5. Incompatible materials**

Strong bases.

**10.6. Hazardous decomposition products**

boron.

**Section 11 : Toxicological Information**

**11.1. Information on toxicological effects**

Likely routes of exposure : Inhalation; Skin and eye contact

Acute toxicity : Not classified

**Boric Acid (10043-35-3)**

LD50 oral rat 2660 mg/kg

LD50 dermal rabbit 2000 mg/kg

Skin corrosion/irritation : Not classified  
pH: 3.8 - 4.8 3.3% solution

Serious eye damage/irritation : Not classified  
pH: 3.8 - 4.8 3.3% solution

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Based on available data, the classification criteria are not met

Carcinogenicity : Not classified




Reproductive toxicity : May damage fertility or the unborn child.  
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : Slight irritation.

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Symptoms/injuries after eye contact : May cause slight irritation.  
Symptoms/injuries after ingestion : Nausea. Vomiting. Diarrhoea. May cause cyanosis.  
Chronic symptoms : Cracking of the skin.

**Section 12 : Ecological Information**

**12.1 Toxicity**

Ecology - water : Harmful to aquatic life.

<b>Boric Acid (10043-35-3)</b>	
LC50 fish 1	5600 mg/l Gambusia affinis
EC50 Daphnia 1	115 mg/l
EC50 Daphnia 2	658 - 875 mg/l

**12.2 Persistence and degradability**

<b>Boric Acid (10043-35-3)</b>	
Persistence and degradability	Not established

**12.3 Bioaccumulative potential**

<b>Boric Acid (10043-35-3)</b>	
Log Pow	-0.757
Bioaccumulative potential	Not established

**12.4 Mobility in soil**

No additional information available

**12.5 Other adverse effects**

Other information : Avoid release to the environment.

**Section 13 : Disposal Considerations**

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with local, state and federal regulations.  
Ecology - waste materials : Avoid release to the environment.

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**Section 14 : Transport Information**

**Department of Transportation (DOT)**

In accordance with DOT  
Not regulated

**Section 15: Other Regulatory Information**

**15.1. US Federal regulations**

**Boric Acid (10043-35-3)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

**CANADA Boric Acid (10043-35-3)**

Listed on the Canadian DSL (Domestic Substances List)

WHMIS

Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

Classification

**EU-Regulations**

No additional information available

**National regulations Boric Acid (10043-35-3)**

Listed on the Canadian IDL (Ingredient Disclosure List)

**15.3. US State regulations**

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

**Section 16 : Other Information**

Revision no: 00




Revision date: 02-05-2022

Other information: None.

Full text of H-phrases: see section 16:

H360 May damage fertility or the unborn child

NFPA health : 2 - Intense or continued exposure could cause temporary incapacitation or possible

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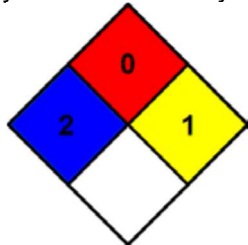
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hazard residual injury unless prompt medical attention is given.  
 NFPA fire : 0 - Materials that will not burn.  
 hazard  
 NFPA : 1 - Normally stable, but can become unstable at elevated temperatures and pressures  
 reactivity or may react with water with some release of energy, but not violently.



**HMIS III Rating**

Health : 2 Moderate Hazard - Temporary or minor injury may occur  
 Flammability : 0 Minimal Hazard - Materials that will not burn  
 Physical : 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.  
 Personal protection : E  
 E - Safety glasses, Gloves, Dust respirator

**Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sujata Nutri-Pharma Pvt.Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.

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