



济南泰星精细化工有限公司
JINAN TAIXING FINE CHEMICALS CO.,LTD.

Material Safety Data Sheet

Product Identification and Company

Product Name: Zinc Borate

Chemical Name: Zinc Borate

Applications: Flame Retardant

Catalog Numbers: HT-207

Synonyms: None

Manufacturer: Jinan Taixing Fine Chemicals Co.,LTD.

Address: 3F Middle Uint 3# Building North Sub-Zone University Science&Technologyn Park
Jinan High-Tech Development Zone,Jinan 250101,Shandong Province,China

Info Phone Num:86-531-88870399 FAX:86-531-88870799

Composition / Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
1332-07-6	Zinc borate 3.5H ₂ O	100	

Hazards Identification

EMERGENCY OVERVIEW

Appearance: white solid.

Caution!

May cause eye and skin irritation.

May cause respiratory and digestive tract irritation.

The toxicological properties of this material have not been fully investigated.

Target Organs: No data found.

Potential Health Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May cause irritation of the digestive tract.

The toxicological properties of this substance have not been fully investigated.

Inhalation: May cause respiratory tract irritation.

The toxicological properties of this substance have not been fully investigated.

Chronic: Not available. Little information is available on the health effects of Zinc Borate.

However, extremely high exposures to Borate compounds can cause serious poisonings.



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First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion: Never give anything by mouth to an unconscious person.

If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Get medical aid.

Inhalation: Remove from exposure and move to fresh air immediately.

If not breathing, give artificial respiration.

If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Substance is nonflammable. Runoff from fire control or dilution water may cause pollution.

Extinguishing Media:

Substance is nonflammable; use agent most appropriate to extinguish surrounding fire.

Flash Point: Not available.

Autoignition Temperature: Not available.

Explosion Limits

Lower: Not available.

Upper: Not available.

Accidental Release Measures

General Information:

Use proper personal protective equipment

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.



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Handling and Storage
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Handling:

Wash thoroughly after handling.
Remove contaminated clothing and wash before reuse.
Use with adequate ventilation.
Minimize dust generation and accumulation.
Avoid contact with eyes, skin, and clothing. Keep container tightly closed.
Avoid ingestion and inhalation.

Storage:

Keep container closed when not in use.
Store in a tightly closed container.
Store in a cool, dry, well-ventilated area away from incompatible substances.

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Exposure Controls, Personal Protection
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Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Exposure Limits:

None listed

Personal Protective Equipment:

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles and face protection.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: Wear appropriate respirator to avoid irritation.

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Physical/Chemical Properties
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Physical State: Solid

Appearance: white

Odor: odorless

pH: Not available.

Vapor Pressure: Not available.

Vapor Density: Not available.

Evaporation Rate: Not available.

Viscosity: Not available.



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Boiling Point: Not available.

Freezing/Melting Point: Not available.

Decomposition Temperature: Not available.

Solubility: Not available.

Specific Gravity/Density: 2.7 (solid)

Molecular Formula: Not available.

Molecular Weight: Not available.

=====**Stability and Reactivity**=====

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, dust generation, excess heat, strong oxidants.

Incompatibilities with Other Materials: Oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, zinc oxides.

Hazardous Polymerization: Has not been reported

=====**Toxicological information**=====

EINECS#: 235-804-2

CAS#1332-07-6

LD50/LC50: Not available.

Carcinogenicity: No information found

Epidemiology: No information found.

Teratogenicity: No information found.

Reproductive Effects: No information found.

Mutagenicity: No information found.

Neurotoxicity: No information found.

=====**Ecological information**=====

No information available.

=====**Disposal Considerations**=====

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.



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===== **Transport information** =====

	US DOT	Canada TDG
Shipping Name:	No information available	No information available.
Hazard Class:	_____	_____
UN Number:	_____	_____
Packing Group:	_____	_____

===== **Regulatory Information** =====

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

Hazard Symbols:

Not available.

===== **ADDITIONAL INFORMATION** =====

MSDS Creation Date: 01/09/2008

Revision #2 Date: 01/09/2012

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