

GHS Safety Data Sheet

SDS No. : BBE01GAEG

Date Issued: 2011/06/20

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Section 1. Identification of the substance or mixture and of the supplier

1.1 Product Information

Product name: **B Boron**

Product number:	Purity	Form	Size (mm) or Shape
BBE01GB	99.5%(2N5)	grains	ca. 3~7
—	99.5%(2N5)	grains	Various sizes
—	99% (2N)up others	rod/tablet	5×5×t5 10×10×t5 Various sizes
—	99% (2N)up others	target	φ 101.6×t5 φ 152.4×t5 Various sizes

1.2 Company Information:

Manufacturer : Kojundo Chemical Laboratory Co., Ltd.

1-28, 5-chome, Chiyoda, Sakado-shi, Saitama Japan 350-0284

Phone: +81-49-284-1511 Fax: +81-49-284-1351

Emergency Phone : +81-49-284-1511

Section 2. Hazards identification

GHS Classification

Health Hazards	Environmental Hazards	Physical Hazards
Acute toxicity (Oral) : Category 4	No data available	Flammable solids : Not classified Pyrophoric solids : Not classified Self-heating substances and mixtures : Not classified Substances and mixtures which, in contact with water, emit flammable gases : Not classified

GHS Label: W



Pictograms or symbols

Warning word: **Warning**

Hazard information	Description of precaution
Harmful if swallowed	Avoid breathing dust/fume. Do not eat, drink or smoke when using this product, and wash hands thoroughly after handling. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell. Dispose of contents/ container in accordance with local / national regulations.

Additional hazard information :

Hazards mainly originate in dusting.

With respect to additional hazard information, see Section 11.

Section 3. Composition / information on ingredients

Chemical or common name:	Boron
Chemical formula:	B
Single Substance or Compound:	Single substance
Composition:	100%
CAS#:	7440-42-8
RTECS#:	ED7350000
TSCA inventory :	listed
EINECS:	2311512

Section 4. First aid measures

Eye contact:	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
Skin contact:	Promptly flush contaminated skin with soap or mild detergent and water. Contact physician if irritation continues.
Inhalation:	Remove the exposed person immediately and provide fresh air. Get medical attention.
Ingestion:	Rinse mouth and throat with water. Get medical attention immediately.

Section 5. Fire fighting measures

Extinguishing media:	This product cannot catch fire. Use media appropriate for surrounding fire.
Fire fighting:	Self-contained breathing apparatus and full protective clothing should be used, if the material is involved in fire.

Section 6. Accidental release measures

Personal Precautions:	Workers should use protective wears to prevent contact with the spilt adhesive and inhalation of its dusts /fume.
Environmental hazard precautions:	Shut off leak if without risk. Prevent flow out to river, etc. so as not to badly affect.
Method for containment and cleaning up:	Indoor leakage: Ventilate as much as possible until the cleaning is completed. Outdoor leakage: Work from the windward and evacuate the leeward crowd. Gather up, pack in closed container as much as possible. Carefully collect remnant and move to a safe place.

Section 7. Handling and storage**Precautions to be taken in handling:**

Safe handling:	Use protective wears and local ventilation equipment, if inhalation or skin contact is foreseen.
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Precautions to be taken in storage:

General precautions:	Store in a cool, dry place away from incompatible materials. Keep container or bottle tightly closed.
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Section 8. Exposure controls / personal protection

Exposure guideline:	ACGIH (2013): No data available OSHA (2006) : No data available
Facility measures:	Local ventilation of closed work room or total proper ventilation to prevent inhalation.
Protective ware:	Wear appropriate NIOSH/MSHA-approved respirator, safety goggles, protective gloves.

Section 9. Physical and chemical properties

Color and Form:	Black solid, odorless
Chemical formula:	B
Atomic weight:	10.811
Melting point:	2300 °C
Boiling point:	3658 °C
Density:	2.34 g/cm ³
Solubility:	Water: Insoluble Dissoluble: Nitric acid, boric acid. Insoluble: Hydrochloric acid, hydrofluoric acid
Flammable:	Non-flammable substance
Oxidation:	None

Section 10. Stability and reactivity

Stability:	Stable in closed container.
Reactivity	
Condition to avoid:	No data available.
Incompatibility:	Strong acids, strong oxidizing agents.

Section 11. Toxicological information

Acute toxicity:	GHS : Category 4 (Oral) Harmful if swallowed. B oral rat LD ₅₀ = 650 mg/kg (RTECS(2006))
Skin corrosive / irritation:	GHS : No data available.
Serious eyes damage / eye irritation:	GHS : No data available.
Respiratory sensitization:	GHS : No data available.
Skin sensitization:	GHS : No data available.
Germ cell mutagenicity:	GHS : No data available
Carcinogenicity:	GHS : No data available.
Reproductive toxicity:	GHS : No data available.
Specific target organ toxicity —single exposure:	GHS : No data available.
Specific target organ toxicity —repeated exposure:	GHS : No data available.
Aspiration hazard:	GHS ; No data available.

Section 12. Ecological information

Ecotoxicity:

Hazards to the aquatic environment

—acute toxicity: GHS ; No data available.

Hazards to the aquatic environment

—chronic toxicity: GHS ; No data available.

Hazardous to the ozone layer:

GHS : No data available

No Freon or Halon

Fish toxicity:

No data available.

Degradability:

No data available.

Bioaccumulative potential:

No data available.

Mobility in soil:

No data available

Section 13. Disposal considerations

Disposal method: User of the product should contract with the local government or licensed
'Industrial Waste Haulers' for disposal of waste.

Section 14. Transport information

UN classification: Non-hazards

UN number: None

HS code: 2804.50

Marine pollution: None

Precautions: Container should be transported in a secure position, in a well-ventilated
vehicle.

Section 15. Regulatory information

TSCA inventory : listed.

Please refer to any other local / national measures that may be relevant.

Section 16. Other information

The information described above is believed to be correct. However, Kojundo Chemical Lab. makes no representation, warranty nor guarantee of any kind with respect to the information on this data sheet or any use of the product based upon this information.