



ZHENGZHOU HAIXU ABRASIVES CO.,LTD

ADD: Yaxing Times Plaza, South Songshan Road, Erqi District,
ZhengZhou City, Henan Province, CHINA

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Material Safety Data Sheet

Boron Carbide (B4C)

Issued Date: Nov. 26th, 2021

Product name

Boron Carbide

1. Manufacturer

Address: Yaxing Times Plaza, South Songshan Road, Erqi District, ZhengZhou City, Henan Province, CHINA

Telephone: +86-371-60900389 Fax: +86-371-60305637

Emergency Telephone Number +86-13526538098

2. Composition/Information on Ingredients

Substance:	Boron Carbide
% content:	97
CAS number:	12069-32-8
Substance or preparation trade name:	Boron Carbide
Unique reference number(s):	0CON-024 to 0CON-028

3. Hazards Identification

Not an acute hazard, although it may irritate the eyes due to nuisance dust. Coughing or shortness of breath may be experienced, whilst over-exposure to nuisance dust may affect breathing capacity.

4. First Aid Measures

Inhalation:	Remove to fresh air, apply artificial respiration as needed. Get medical attention if needed.
Skin contact:	Wash with water. Obtain first aid or medical assistance if needed.
Eye contact:	Wash with large amounts of water. Get medical attention, if needed.
Ingestion:	If swallowed, seek medical attention

5. Fire-Fighting Measures

Suitable extinguishing media:	Non-flammable
Unsuitable extinguishing media:	Non-flammable
Special exposure hazards in fire:	None
Required special protective equipment for fire-fighters:	None



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6. Accidental Release Measures

Personal precautions:	Wear protective equipment. See section 8.
Environmental precautions:	Avoid generating dust.
Methods for cleaning:	Dispose according to standard landfill methods Consisten with applicable Federal, State and Local law

7. Handling and Storage

Handling:	Avoid generating dust. Handle with adequate ventilation for dust.
Storage:	See OSHA 29 CFR 1910-94 (Ventilation) General storage, ambient air temperature and pressure.

8. Exposure Controls

Take measures to prevent:	Approved respirator, Rubber gloves, chemical safety goggles, safety shower and eye bath, mechanical exhaust required, avoid contact and inhalation, do not get in eyes, on skin, on clothing, wash contaminated clothing before reuse, irritating dust, keep tightly closed, store in a cool dry place.
Exposure control limits, and source:	
Respiratory protection:	Recommended if TLVs or PELs are exceeded. Use NIOSH/MSHA approved respirators
Hand protection:	Gloves should be worn
Skin protection:	Gloves should be worn
Eye protection:	Use safety glasses with side shields. If there is potential for exposure to particles which could cause mechanical injury to the eye, wear goggles.

9. Physical and Chemical Properties

Appearance:	Granular, Black
Odour:	Odourless
pH:	N/A
Boiling point:	N/A
Melting point:	N/A
Flashpoint (°C):	N/A
Closed cup / open cup	N/A
Flammability (gas/solid):	N/A
Autoflammability:	N/A
Explosive properties:	N/A
Oxidising properties:	N/A
Vapour pressure:	N/A
Specific gravity:	3.23 g/cm³
Solubility (water and fat):	Insoluble



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Other: N/A

10. Stability and Reactivity

Conditions to avoid: N/A

Materials to avoid: N/A

Hazardous decomposition products: **Stable**

11. Toxicological Information

Concise description of toxicological properties follows, including any special health effects of constituents:

N/A

12. Ecological Information

Possible effects: N/A

Behaviour: N/A

Environmental fate: N/A

13. Disposal Considerations

Likely residues/waste product (if any): **Bury in a landfill site approved for the disposal of chemical and hazardous wastes. Observe all federal, state and local environment regulations.**

Safe handling of any residues/waste product: **Wear gloves**

14. Transport Information

Special carriage precautions in carriage (on-site or externally): **Not regulated as a hazardous material.**

Classification data: **Not regulated as a hazardous material**

15. Regulatory Information

Supply label information: **TSCA - The chemical components of this product are registered under the Toxic Substance Control Act (Title 40 CFR Part 7100).**

NOTE: THIS DATA SHEET DOES NOT CONSTITUTE A USER'S ASSESSMENT OF WORKPLACE RISK AS REQUIRED BY HSW ACT, COSHH, MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS, OR OTHER HEALTH AND SAFETY LEGISLATION.

16. other information

The above information is believed to be reliable. However, no warranty, express or implied, is made as to its accuracy or completeness and none is made as to the fitness of this material for any purpose. The manufacture shall not be liable for damages to person or resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.