

Material Safety Data Sheet

BORON CARBIDE

Date prepared: 19 March 1999

Date revised: N/A (first issue)

0CON-024 to 0CON-028

1. Identification of the Substance/Preparation and the Company/Undertaking

Substance or preparation trade name:	Boron Carbide
Unique reference number(s):	0CON-024 to 0CON-028
Company/undertaking name & address:	Logitech Ltd., Erskine Ferry Road, Old Kilpatrick, Glasgow G605EU, Scotland, UK
Telephone:	(+44) 1389 875444
Emergency telephone number:	As above

2. Composition

Substance:	Boron Carbide
% content:	98
CAS number:	12069-32-8

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

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5. Fire-Fighting Measures

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

6. Accidental Release Measures

Personal precautions:	<i>Wear protective equipment. See section 8.</i>
Environmental precautions:	<i>Avoid generating dust.</i>
Methods for cleaning:	<i>Dispose according to standard landfill methods consistent with applicable Federal, State and Local laws.</i>

7. Handling and Storage

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

8. Exposure Controls

Take measures to prevent:	<i>Inadequate ventilation. Mechanical ventilation (general and/or local exhaust) should be provided to maintain exposures below PELs or TLVs</i>
Exposure control limits, and source:	
Respiratory protection:	<i>Recommended if TLVs or PELs are exceeded. Use NIOSH/MSHA approved respirators</i>
Hand protection:	<i>Gloves should be worn</i>
Skin protection:	<i>Gloves should be worn</i>
Eye protection:	<i>Use safety glasses with side shields. If there is potential for exposure to particles which could cause mechanical injury to the eye, wear goggles.</i>

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
Relative density:	3.95
Solubility (water and fat):	Insoluble
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):

Approved landfill in accordance with all local, state and federal laws.

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

Recommendations/restrictions:

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

Use:

An abrasive powder for lapping purposes.

Sources of key data used to compile Safety Data Sheet:

Croner's Hazard Information and Packaging, 3/95

Abbreviations:

***N/E: Not established
N/A: Not available***

The data contained in this Safety Data Sheet has been supplied as required by the Chemicals (Hazard Identification and Packaging) Regulations 1993, as amended, for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.