

Safety Data Sheet (91/155/EEC)

Material: TETRABOR-PASTE

Date of last alteration: 08.16.2007

1 Identification of the substance/preparation and company

1.1 Name of substance/preparation

Commercial product name: TETRABOR-PASTE

1.2 Use of substance / preparation:

lapping compound

1.3 Company name

Manufacturer/distributor: ESK Ceramics GmbH & Co. KG / Titan Tool Supply, Inc.
Street/POB-No.: Max-Schaidhauf-Str. 25 68 Comet Avenue
State/postal code/city: D 87437 Kempten/Allgäu Buffalo, NY 14216
Telephone: +4983156180 716-873-9907
Telefax: +498315618345 716-873-9998

	Telefax	Telephone
Information about the Safety Data Sheet:	716-873-9998	716-873-9907

1.4 Emergency telephone number

		Emergency Number
Emergency Information	National Response Center	1-800-424-8802
Emergency Information		

2 Composition/information on ingredients

2.1 Chemical characterization (preparation):

Chemical characteristics
Mixture of boron carbide and polyalcohols

3 Hazards identification

3.1 Classification:

R-Phrase	Description
R-	-

4 First-aid measures

4.1 General information:

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4.2 After inhalation:

No special measures required.

4.3 After contact with the skin:

Wash with plenty of water or water and soap.

4.4 After contact with the eyes:

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

4.5 After swallowing:

If you feel unwell: Drink plenty of water in small portions and induce vomiting.

5 Fire-fighting measures

5.1 Suitable extinguishing media:

water, extinguishing powder, sand, foam, carbon dioxide.

5.2 Extinguishing media which must not be used for safety reasons:

According to our present state of knowledge: none known.

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5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

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5.4 Special protective equipment for fire fighting:
Use respiratory protection independent of re-circulated air.

6 Accidental release measures

6.1 Personal precautions:
No special measures required.

6.2 Environmental precautions:
No special measures required.

6.3 Methods for cleaning up:
Take up mechanically and dispose of according to local/state/federal regulations.

7 Handling and storage

7.0 General information:
No special protective measures required.

7.1 Handling

Precautions for safe handling:

Precautions against fire and explosion:

No special precautions against fire and explosion required.

7.2 Storage

Conditions for storage rooms and vessels:

Advice for storage of incompatible materials:

Further information for storage:

8 Exposure controls and personal protection equipment

8.1 Exposure limits

Threshold limit values (TLV): not applicable

8.2 Exposure limited and controlled

8.2.1 Exposure in the work place limited and controlled

General protection and hygiene measures:

Observe standard industrial hygiene practices for the handling of chemical substances. Do not eat or drink when handling. Wash hands at the end of work and before eating.

Personal protection equipment

Respiratory protection:

not required .

Hand protection:

not required .

Eye protection:

Recommendation: protective goggles.

8.2.2 Exposure to the environment limited and controlled:

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9 Physical and chemical properties

9.1 General information

Physical state / form.....: paste
Color.....: dark grey
Odor.....: odorless

9.2 Important information about the protection of health, safety and the environment

**Method
(67/548/EEC):**

Flash point.....: 240 °C
Auto ignition temperature.....: 360 °C
Density.....: approx. 1,60 g/cm³ at 20 °C
Water solubility / miscibility.....: completely miscible

9.3 Other information

Re 9.2 solubility in water: Re 9.2 Flash Point: Re 9.2 Ignition Temperature:
Valuation related to polyalcohol.

Thermal decomposition.....: not established

10 Stability and reactivity

10.0 General information:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

10.1 Conditions to avoid:

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10.2 Materials to avoid:

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10.3 Hazardous decomposition products:

If stored and handled in accordance with standard industrial practices and local regulations where applicable: Up to 200 °C (392 °F): none known.

11 Toxicological information

11.0 General information:

According to our present state of knowledge no damaging effect expected when treated in accordance with standard industrial practices and local regulations where applicable.

11.1 Toxicological tests

Further information:

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12 Ecological information

12.1 Eco-toxicity

No likelihood of damaging effect on water organisms.

12.2 Mobility

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12.3 Persistence and degradability

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Further information:

Solids content: Separation by sedimentation.

12.4 Bio-accumulation potential

Further information:

Main component: Insoluble in water. No harmful effects expected.

12.5 Other harmful effects

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12.6 Further ecological information

General information:

No environmental problems expected if handled and treated in accordance with standard industrial practices and local regulations where applicable.

13 Disposal considerations

13.1 Material

Recommendation:

Dispose of according to regulations by incineration in a special waste incinerator. Observe local/state/federal regulations.

13.2 Uncleaned packaging

Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

14 Transport information

14.1 Land transport GGVSE/ADR and RID

Road ADR:

Valuation.....: Not Regulated

Railway RID:

Valuation.....: Not Regulated

14.2 Inland navigation GGVBinsch/ADNR

14.3 Transport by sea GGVSee/IMDG-Code

Valuation.....: Not Regulated

Marine Pollutant.....: no

14.4 Air transport ICAO-TI/IATA-DGR

Valuation.....: Not Regulated

14.5 Transport/further information

Postal and courier service:

postal dispatch.....: permitted

15 Regulatory information

15.1 Warning Label (EU)

R-Phrase	Description
R-	-

S-Phrase	Description
S-	-

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15.2 National regulations:

SI 1999/3232:	CHIP Regulations 1999
SI 1999/437:	COSHH Regulations 1999
SI 1999/3242:	Management of Health & Safety at Work Regulations 1999
Health & Safety at Work Act 1974	
SI 1993/1643:	Environmental Protection Act 1993 & Subsidiary Regulations.
Other national and local measures relating to the workplace, pollution control, environmental protection and waste control.	

16 Other information

16.1 Material

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.

16.2 Further information:

Commas appearing in numerical data denote a decimal point.

n.a. = not applicable	n.s. = not subject to
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Details of international registration status

Listed on the following inventories:

TSCA
PICCS
ENCS
ECL
DSL
AICS
EINECS