

MATERIAL SAFETY DATA SHEET

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SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME

Vitrified Superabrasives(CBN) Products

MANUFACTURER

Kure-Grinding Wheel Co., Ltd. 2-3-20 Yoshiurashin-machi, Kure-shi, Hiroshima, Japan Phone:81-823-31-7197

TRADE NAME AND SYNONYMS

Grinding Wheel

B 170 VP1

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS</u>		<u>PERCENT</u>	<u>CAS No.</u>
Cubic Boron Nitride	BN	2.2	10043-11-5
Amorphous Sillica,Silicon dioxide	SiO ₂	32.7	7631-86-9
Silicon Carbide	SiC	3.4	409-21-2
Aluminum Oxide	Al ₂ O ₃	54.5	1344-28-1
Boron Oxide	B ₂ O ₃	4.3	1303-86-2

SECTION 3. HAZARDS IDENTIFICATION

HEALTH HAZARDS,

INHALATION ACUTE EXPOSURE EFFECTS

Dust may be slightly irritating to eyes and respiratory tract at high concentrations.

EYE CONTACT ACUTE EXPOSURE EFFECTS

Dust may irritate eyes.

SKIN CONTACT ACUTE EXPOSURE EFFECTS

Some may experience skin irritation from dust.

INGESTION ACUTE EXPOSURE EFFECTS

No known adverse effects, but ingestion not recommended.

SECTION 4. FIRST AID MEASURES

INHALATION

Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately.

SKIN CONTACT

Wash affected areas with soap and water. Obtain medical assistance.

EYE CONTACT

Wash with large amount of water. Obtain first aid and medical assistance, if needed.

INGESTION

Call poison control center, and see a hospital emergency room physician immediately.

SECTION 5. FIRE FIGHTING MEASURES**FIRE FIGHTING PROCEDURES**

Not applicable

HAZARDOUS PRODUCTS/COMBUSTION

None

SECTION 7. HANDLING AND STORAGE**HANDLING**

Always HANDLE AND STORE wheel in a CAREFUL manner. Always VISUALLY INSPECT all wheel before mounting. Always CHECK MACHINE SPEED against the established maximum safe operating speed MARKED ON THE WHEEL. Always CHECK MOUNTING FLANGES for equal and correct diameter. Always USE A SAFETY GUARD covering at least one-half of the grinding wheel. Always allow NEWLY MOUNTED WHEELS to run at operating speed, with guard in place, for at least one minute before grinding.

SECTION 8. EXPOSE CONTROLS /PERSONAL PROTECTION

VENTILATION	LOCAL RECOMMENDED MECHANICAL(GENERAL) RECOMMENDED
PROTECTIVE GLOVES	AS DESIRED BY USER
EYE PROTECTION	Always WEAR SAFETY GLASSES or some type of eye protection when grinding.
OTHER PROTECTION	Use of this product may create elevated sound levels. Hearing protection should be worn where required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE & ODOR**

Solid article. Odorless

SECTION 10. STABILITY AND REACTIVITY**INCOMPATIBILITIES**

Not applicable.

DECOMPOSITION

Not applicable.

SECTION 11. TOXICOLOGICAL INFORMATION**INHALATION CHRONIC EXPOSURE EFFECTS**

Chronic: May affect breathing capacity.

CARCINOGENICITY

Not applicable.

SECTION 12. ECOLOGICAL INFORMATION**CHEMICAL FATE**

Not applicable.

SECTION 13. DISPOSAL CONSIDERATION

Use standard landfill methods consistent with applicable Federal, States, Provincial and local laws.

SECTION 14. TRANSPORT INFORMATION**HAZARD CLASS**

This product is not hazardous as defined by the Department of Transportation.(USA)