

# Material Safety Data Sheet



8400 Green Meadows Dr.  
P.O. Box 545  
Lewis Center, Ohio 43035-0545 U.S.A.

## DIAMOND or CUBIC BORON NITRIDE RESIN BOND WHEELS

Identity (Trade Name As Used On Label)

**24 HOUR EMERGENCY PHONE NUMBER**  
CHEMTREC North America 800 – 424 – 9300  
Outside of North America 703-527-3887 (collect)

P/N :

DOCUMENT P/N :

**NON-EMERGENCY PHONE NUMBER**  
(740) 548-4100  
8:00 A.M. – 5:00 P.M.

DATE PREPARED: 11/8/99 By: A. Hier  
DATE REVIEWED: 11/00, 3/02, 7/04

### EMERGENCY HAZARD RATING

HEALTH: 1

FIRE: 0

REACTIVITY: 0

SPECIFIC HAZARD: X

CHEMICAL NAME	COMMON NAME	CAS #	OSHA PEL mg/m3	ACGIH- TLV mg/m3	CARCI-NOGEN**
Carbon	Same	7440-44-0	15	10	N
Diamond	Same	7782-40-3	***	***	N
Cubic Boron Nitride	CBN	10043-11-5	5	5	N
Silicon Carbide	Same	409-21-2	15	10	N
Aluminum Oxide	Same	1344-28-1	15	10	N
Calcium Oxide	Lime	1305-78-8	5	2	N
Iron Oxide	Same	1309-37-1	10	5	N
Chromium Oxide	Chrome Oxide	1308-38-9	1	0.5	Y
Graphite	Same	7882-42-5	***	5	N
Cobalt	Same	7440-48-4	0.1	0.1	N
Copper	Same	7440-50-8	1	1	N
Silver	Same	7440-22-4	0.01	0.1	N
Tungsten Carbide	Carbide	12070-12-1	5	5	N
Aluminum Powder Sodium Hex. Flour, Aluminate	Aluminum Powder	7429-80-5	***	10	N
Nickel	Same	7440-02-0	1	1	Y
Furfural	Same	98-01-1	5ppm	2ppm	N
Cured Resin	Resin	N/A	***	10	***

### SECTION II: PHYSICAL AND CHEMICAL DATA

BOILING POINT: N/A	MELTING POINT: Varies	SPECIFIC GRAVITY: >10
VAPOR PRESSURE: N/A	PERCENT VOLATILE BY VOL: 0 %	VAPOR DENSITY: N/A
EVAPORATION RATE: N/A	SOLUBILITY IN WATER: 0 %	SOLUBILITY IN ALCOHOL: 0 %
SOLUBILITY IN OTHER SOLVENT: 0 %	APPEARANCE AND ODOR: Variations of green, gray, brown, and aluminum colored solids. No odor	

**SECTION III: CORROSIVITY AND REACTIVITY DATA****STABILITY:** UNSTABLE  STABLE **POLYMERIZATION:**  MAY OCCUR  WILL NOT OCCUR**INCOMPATABILITY (MATERIALS TO AVOID):** N/A**DECOMPOSITION PRODUCTS:** In use, dust and decomposing organic fumes are generated. In most cases, the material removed from the workplace will be significantly greater than the grinding wheel components. Coolants may produce other decompositions.**CONDITIONS TO BE AVOIDED:** N/A**SECTION IV: HEALTH, FIRST AID AND MEDICAL DATA**

PRIMARY ROUTE(S) OF ENTRY:	EFFECTS OF OVEREXPOSURE	FIRST AID AND MEDICAL INFORMATION
<b>INHALATION:</b>	May cause coughing and shortness of breath if high concentrations are inhaled.	Remove to fresh air. Seek medical attention as needed.
<b>INGESTION:</b>	Not probable.	Seek medical attention.
<b>SKIN:</b>	May cause irritation from dust.	Wash affected area with mild soap and water. If rash occurs, seek medical attention.
<b>EYE:</b>	May cause irritation from dust.	Flush eyes with water or saline for 10 minutes. seek medical attention as needed.
<b>OTHER POTENTIAL HEALTH RISKS:</b>	None known.	

**SECTION V: SPECIAL PRECAUTIONS IN HANDLING/STORAGE****PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a dry place. Utilize ANSI approved safety glasses and respiratory masks. Use adequate ventilation when grinding, fabricating or using this product.**OTHER PRECAUTIONS:** Hearing protection per OSHA 29CFR1910.215 is recommended when grinding with this product.**SECTION VI: FIRE AND EXPLOSION HAZARD DATA****FLASH POINT:** N/A **METHOD USED:** N/A **FLAMMABLE LIMITS:** N/A **LEL:** N/A **UEL:** N/A**EXTINGUISHING MEDIA:** Water.**SPECIAL FIRE FIGHTING PROCEDURES:** N/A**EXPLOSION POTENTIAL:** N/A**SECTION VII: SPILL, LEAK AND DISPOSAL PROCEDURES****STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS:** N/A**WASTE DISPOSAL METHOD:** Observe all applicable local, state, and federal regulations.**SECTION VIII: REGULATORY INFORMATION****PROPER SHIPPING NAME:** N/A**SHIPPING LABEL REQUIREMENT:** N/A

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet.

Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.