



Material Safety Data Sheet

IDENTITY	CBN (Cubic Boron Nitride)
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Section I

Manufacturer's Name	<i>Pinnacle Industries dba Pinnacle Abrasives</i>
Address	2455 Bennett Valley Rd, C-118 Santa Rosa, CA 95404
Telephone Number Information/Emergency	707-546-3940/707-546-3940
Date Updated	1-1-2014

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Cubic Boron Nitride	n/a	n/a	n/a	N/A

Section III - Physical/Chemical Characteristics

Boiling Point	n/a	Specific Gravity (H₂O = 1)	3.45-3.5
Vapor Pressure (mm Hg)	n/a	Melting Point	n/a
Vapor Density (AIR = 1)	n/a	Evaporation Rate (Butyl Acetate = 1)	n/a
Solubility in Water	Insoluble		
Appearance and Odor	Odorless		

Section IV - Fire and Explosion Hazard Data

Flash Point	n/a
Flammable Limits	n/a
LEL	n/a
UEL	n/a
Extinguishing Media	Chemical powder
Special Fire Fighting Procedures	n/a
Unusual Fire and Explosion Hazards	Possible fire and explosion in dust form when exposed to heat, flame or spark



Section V - Reactivity Data

Stability	Stable
Conditions to Avoid	Confined areas with large amounts of suspended airborne particles.
Incompatibility (<i>Materials to Avoid</i>)	Open flame and oxidizers
Hazardous Decomposition or Byproducts	Carbon dioxide, water vapor
Hazardous Polymerization	Will Not Occur
Conditions to Avoid	n/a

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation, Ingestion, Eye contact
Health Hazards (<i>Acute and Chronic</i>)	Eye irritation, skin irritation, gastrointestinal tract irritation
Carcinogenicity:	n/a
NTP?	n/a
IARC Monographs?	n/a
OSHA Regulated?	not regulated
Signs and Symptoms of Exposure	Irritation to eyes, skin, lungs
Emergency and First Aid Procedures	Eyes: remove contact lenses, flush with water Skin: wash with soap and water Lungs: consult physician

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled	Minimize airborne dust generation, provide adequate ventilation.
Waste Disposal Method	Standard disposal in accordance with local, state and federal regulations. May be land filled.
Precautions to Be taken in Handling and Storing	Wear safety glasses. Avoid breathing dust. Use gloves and mask. Store in secure, dry place.
Other Precautions	n/a



Section VIII - Control Measures

Respiratory Protection (<i>Ventilation</i>)	Local Exhaust, Dust Mask
Protective Gloves	Recommended
Eye Protection	Recommended
Other Protective Clothing or Equipment	n/a
Work/Hygienic Practices	n/a

* U.S.G.P.O.: 1986 - 491 - 529/45775