



Material Safety Data Sheet

For
Cubic Boron Nitride

Section I – General Data

Supplier - Worldwide Superabrasives
Address - 2921 NW Commerce Park Dr.
Boynton Beach, Florida 33426
Telephone - 954-828-9650
Transportation
Emergencies - CHEMTREC (800) 424-9300
Medical
Emergencies - Florida Poison Control Center (800) 222-1222

Section II – Ingredients

Product - Cubic Boron Nitride
Proprietary - No
CAS Number - 10043-11-5
NIOSH Number 1004241BN
OSHA PEL - N/K
ACGIH TLV - N/K

Section III – Physical Data

Appearance - Amber, Black, Brown crystals
Specific Gravity - 3.45-3.5
Vapor Density - N/A
Boiling Point - N/A
Vapor Pressure - N/A
Solubility in Water - No
Percent Volatiles - N/A

Section IV – Fire & Explosion Data

Flash Point - N/A
Lower Explosive
Limit - N/A
Upper Explosive
Limit - N/A
Extinguishing Media Chemical Powder
Unusual F&E

Hazards - Possible fire and explosion in dust form when exposed to heat, flame, or spark

Section V – Health Hazard Data

Primary Routes of Entry -	Inhalation, Eye contact, Ingestion
Effect of over Exposure -	Inhalation – Tissue irritation Skin contact – Tissue irritation Eye contact – Tissue irritation Ingestion - Tissue irritation

Section VI – Reactivity

Stability -	Stable
Conditions to Avoid -	Large amounts of airborne fine powder suspended in confined areas
Incompatibility -	Oxidizers and open flame
Hazardous Decomp Products -	Carbon dioxide and water vapor
Hazardous Polymerization -	Will not occur
Conditions to avoid -	N/A

Section VII – Spill or Leak Procedures

Action to be taken -	Minimize airborne dust generation Provide adequate ventilation Clean up utilizing respiratory equipment
Disposal -	In accordance with Local, State, and Federal Regs May be land filled

Section VIII – Special Protection Information

Respiratory -	NIOSH/MSHA approved dust mask
Ventilation -	Adequate ventilation / local exhaust
Gloves -	Impervious
Eye -	Chemical goggles

Section IX – Special Precautions

Handling & Storage -	Prevent dust from becoming airborne Keep away from sparks and open flame Avoid contact with eyes; flush with water Ingestion or inhalation; seek medical attention
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Section X - Regulatory Information

Toxic Substance Control Act -	This product is in compliance with all rules and orders of TSCA.
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Date of Issue – 4/1/06

Revised –11/29/10