MATERIAL SAFETY DATA SHEET

OSHA HAZARD COMMUNICATION RULE

REVISED 2/4/07

CHEMICAL IDENTITY

LABEL IDENTITY
BORON NITRIDE

CHEMICAL NAME/SYNONYMS
BORON NITRIDE

FORMULA
BN

CHEMICAL FAMILY
NITRIDES

CAS REGISTRY NUMBER
10043-11-5

MOLECULAR WEIGHT
ND

HAZARDOUS INGREDIENTS
%: 95-100

TLV: 10mg/m³

OSHA PEL: 15mg/m³ (AS NUISANCE DUST)

PHYSICAL AND CHEMICAL PROPERTIES

COLOR, FORM AND ODOR
White or gray solid, odorless

BOILING POINT
NA

DENSITY (gm/cc)
NA

VAPOR PRESSURE @ 20°
NA

% VOLATILE BY VOLUME (%)
NA

REACTION WITH WATER
NA

EVAPORATION RATE (H2O=1)
NA

SOLUBILITY IN WATER
Insoluble

MELTING POINT
NA

OTHER
ND

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT
NA

AUTOIGNITION TEMPERATURE (° C)
NA

FLAMMABILITY
ND

EXTINGUISHING MEDIA
ND

SPECIAL FIRE FIGHTING PROCEDURES
This material does not give a flash point by conventional test methods. Use extinguishing agent suitable for type of surrounding fire.

UNUSUAL FIRE & EXPLOSION HAZARDS
ND
BORON NITRIDE
MATERIAL SAFETY DATA SHEET

HEALTH HAZARD INFORMATION

TOXICITY DATA

HMIS RATING: ND
HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 02 PERSONAL PROTECTION: 0

ROUTES OF ENTRY

INHALATION: Yes
SKIN: No
INGESTION: No

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: ND
EFFECTS OF OVEREXPOSURE (acute and chronic):

INHALATION: No exposure under normal conditions of use. Swallowing of powdered material may cause gastrointestinal disturbances. Symptoms may include irritation, nausea, vomiting and diarrhea.

DERMAL/EYE CONTACT: May cause irritation. Abrasive action may cause damage to the outer surface of the eye.

OTHER: ND

CARCINOGENICITY: ND NTP: ND IARC MONOGRAPHS: ND OSHA REGULATE: ND

EMERGENCY FIRST AID PROCEDURES:

INGESTION: Do not induce vomiting. If irritation persists, get medical attention.
INHALATION: Remove victim to fresh air, and seek medical attention if irritation persists.
SKIN CONTACT: Wash affected area with soap and water and seek medical attention if irritation persists.
EYE CONTACT: Flush eyes with water for 15 minutes. Eyelids should be held from eyeball to ensure a thorough rinsing. Seek medical attention if irritation persists.

REACTION DATA

STABILITY
ND

CONDITIONS CONTRIBUTING TO UNSTABILITY
ND

INCOMPATIBILITY (MATERIALS TO AVOID)
Avoid contact with strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS
Contact with strong oxidizing agents may produce flammable and toxic ammonia gas.

HAZARDOUS POLYMERIZATION
ND

CONDITIONS TO AVOID
ND
SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

No special procedures are required for clean-up of spills or leaks of this material. Avoid methods that result in water pollution.

WASTE DISPOSAL METHOD:

This substance is not specifically listed as hazardous waste in federal regulations; however, it could be hazardous if it is considered toxic, corrosive, ignitable or reactive according to federal definitions. It could be considered hazardous according to state regulations. This substance could also become hazardous waste if mixed with or comes in contact with a hazardous waste. Check 40CFR261 to determine if it is a hazardous waste.

SPECIAL PROTECTIVE INFORMATION

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<td>OTHER PROTECTIVE EQUIPMENT</td>
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SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING/STORAGE

ND

TRANSPORTATION REQUIREMENTS

DOT CLASS: NA
UN NUMBER: NA
IMCO CLASS: NA
OTHER:

PRECAUTIONARY LABELING

ND

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NA= NOT APPLICABLE
ND= NO DATA FOUND