



MATERIAL SAFETY DATA SHEET
COMPLIES WITH 29 CFR 1910.1200.
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	BORON NITRIDE
%: 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



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HEALTH HAZARD INFORMATION

TOXICITY DATA **ND**
HMIS RATING:
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.**

REACTIVITY 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**



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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

RESPIRATORY PROTECTION	ND
LOCAL EXHAUST	ND
MECHANICAL (general)	ND
SPECIAL	ND
OTHER	ND
PROTECTIVE GLOVES	ND
EYE PROTECTION	Safety glasses
OTHER PROTECTIVE EQUIPMENT	ND

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

THE ABOVE INFORMATION IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, SINCE DATA, SAFETY STANDARDS AND GOVERNMENT REGULATIONS ARE SUBJECT TO CHANGE THE CONDITIONS OF HANDLING AND USE, OR MISUSE ARE BEYOND OUR CONTROL, **ANGSTROM SCIENCES** MAKE NO WARRANTY, EITHER EXPRESSED OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR THE RELIANCE THEREON. USER SHOULD SATISFY HIMSELF THAT HE HAS ALL CURRENT DATA RELEVANT TO HIS PARTICULAR USE.

NA= NOT APPLICABLE

ND= NO DATA FOUND