

Boron Nitride Spray II
Boron Nitride Powder in Hydrocarbon Solvents and Carriers**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Manufactured By: Momentive Performance Materials
22557 West Lunn Road
STRONGSVILLE OH 44149

Revised: 09/21/2010

Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS
CHEMTREC 1-800-424-9300

Formula: Boron Nitride Powder, Solvent mixture

HMIS

Flammability: 3 Reactivity: 0 Health: 2

NFPA

Flammability: 3 Reactivity: 0 Health: 2

2. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

DANGER! Extremely flammable. Contents under pressure. Harmful if swallowed, inhaled, or absorbed through the skin. Irritating to eyes, respiratory system and skin. May cause liver and kidney damage. Adverse reproductive effects reported in animals.

Form: aerosol **Color:** white **Odor:** sweet.

POTENTIAL HEALTH EFFECTS**INGESTION**

Harmful if swallowed. Irritation of the mouth, throat, and stomach. May cause: dizziness headache nausea - diarrhea - liver damage - kidney damage

SKIN

Causes skin irritation. May cause: Rash Redness May be absorbed through skin and produce effects as listed under "Ingestion".

INHALATION

Harmful if inhaled. Irritating to respiratory system. May cause: headache dizziness nausea Coughing. Difficulty in breathing May cause cardiac irregularities.

EYES

Causes eye irritation.

MEDICAL CONDITIONS AGGRAVATED

May aggravate: Pre-existing skin or respiratory diseases. Allergies

SUBCHRONIC (TARGET ORGAN)

Central nervous system; Liver

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Ingestion; Inhalation; dermal; Eyes

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>PRODUCT COMPOSITION</u>	<u>CAS REG NO.</u>	<u>WGT. %</u>
<u>A. HAZARDOUS</u>		
Liquified petroleum gas	68476-85-7	30 - 60 %
Ethanol	64-17-5	30 - 60 %
Acetone	67-64-1	10 - 30 %
<u>B. NON-HAZARDOUS</u>		
Boron nitride	10043-11-5	1 - 5 %
Organic Clay	71011-24-0	1 - 5 %

4. FIRST AID MEASURES**INGESTION**

Do NOT induce vomiting. If conscious, drink plenty of water. Call a physician immediately. Never give anything by mouth to an unconscious person.

SKIN

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Obtain medical attention if symptoms persist.

INHALATION

Remove to fresh air. Artificial respiration and/or oxygen may be necessary. Call a physician immediately.

EYES

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention without delay, preferably from an ophthalmologist.

NOTE TO PHYSICIAN

There is no specific antidote. Treatment is symptomatic and supportive.

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FLASH POINT:	< -17.8 °C; 0 °F
IGNITION TEMPERATURE:	No data available.
FLAMMABLE LIMITS IN AIR - LOWER (%):	No data available.
FLAMMABLE LIMITS IN AIR - UPPER (%):	No data available.

SENSITIVITY TO STATIC DISCHARGE

Sensitivity to static discharge is expected; material has a flash point below 200 F.

EXTINGUISHING MEDIA

All standard extinguishing agents are suitable.

SPECIAL FIRE FIGHTING PROCEDURES

Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

PRECAUTIONS FOR FIRE-FIGHTING

Vapors form from this product and may travel or be moved by air currents and ignited by pilot lights, other flames, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from product handling point.; Vapor may be ignited by static sparks., Use proper bonding and grounding during material transfer.

FURTHER INFORMATION

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment., Use water spray to cool unopened containers., For safety-reasons in case of fire, cans should be stored separately in closed containments., Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. ACCIDENTAL RELEASE MEASURES**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED**

Warn other workers of spill. Remove all sources of ignition. Wear proper protective equipment as specified in the protective equipment section. Wipe, scrape, or soak up in an inert material and put in a container intended for flammable materials for disposal.

ENVIRONMENTAL PRECAUTIONS

Do not flush into surface water or sanitary sewer system.

7. HANDLING AND STORAGE**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Use ground strap and appropriate precautions for dispensing flammable liquids. Use only spark-proof and explosion-proof tools and equipment. Avoid contact with skin, eyes and clothing. Keep away from children.

**Boron Nitride Spray II
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Store away from heat, sources of ignition, and incompatibles. Keep container closed. Store in original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**ENGINEERING CONTROLS**

Use only in an area equipped with a safety shower.; Eye wash bottle with pure water; General (mechanical) room ventilation is expected to be satisfactory if handled at low temperatures or in covered equipment.; Special, local ventilation is needed at points where vapors can be expected to escape to the workplace air.

RESPIRATORY PROTECTION

If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).

PROTECTIVE GLOVES

Impermeable or chemical resistant gloves.

EYE AND FACE PROTECTION

Monogoggles

OTHER PROTECTIVE EQUIPMENT

Wear suitable protective clothing and eye/face protection.

Exposure Guidelines

Component	CAS RN	Source	Value
Liquified petroleum gas	68476-85-7	OSHA Z1PEL	1,000 ppm; 1,900 mg/m ³
Liquified petroleum gas	68476-85-7	ACGIH, TWA	1,000 ppm
Ethanol	64-17-5	ACGIH, TWA	1,000 ppm
Ethanol	64-17-5	OSHA Z1, PEL	1,000 ppm; 1,900 mg/m ³
Boron nitride	10043-11-5	ACGIH, TWA	10 mg/m ³
Boron nitride	10043-11-5	OSHA Z1, PEL	Total dust. 15 mg/m ³
Boron nitride	10043-11-5	OSHA Z1, PEL	Respirable dust. 5 mg/m ³

Absence of values indicates none found.

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average; INTL REL - Internal Recommended Exposure Limit

OSHA revoked the Final Rule Limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA) effective June 30, 1992. See 29 CFR 1910.1000 (58 FR 35332).

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BOILING POINT - C & F:	No data available.
VAPOR PRESSURE (20 °C) (MM HG):	> 7.59
VAPOR DENSITY (AIR=1):	> 1
FREEZING POINT:	No data available.
PHYSICAL STATE:	aerosol
ODOR:	sweet
COLOR:	white
EVAPORATION RATE (BUTYL ACETATE=1):	> 1
DENSITY:	0.85 g/cm ³
ACID / ALKALINITY (MEQ/G):	No data available.
pH:	No data available.
SOLUBILITY IN WATER (20 °C):	Partially soluble
VOLATILE ORGANIC CONTENT:	95 %(m)

10. STABILITY AND REACTIVITY**STABILITY**

Stable

HAZARDOUS POLYMERIZATION

Hazardous polymerisation does not occur.

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS

Burning can produce the following combustion products: Oxides of boron.; nitrogen oxides (NO_x); Carbon oxides; Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant.; Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizing and reducing agents.

CONDITIONS TO AVOID

Avoid temperatures: > 50 °C

11. TOXICOLOGICAL INFORMATION**ACUTE ORAL**

Remarks: Unknown

ACUTE DERMAL

Remarks: Unknown

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Remarks: No data available.

OTHER

No data available.

SENSITIZATION

No data available.

SKIN IRRITATION

No data available.

EYE IRRITATION

No data available.

MUTAGENICITY

Unknown

12. ECOLOGICAL INFORMATION**ECOTOXICOLOGY**

All available ecological data have been taken into account for the development of the hazard and precautionary information contained in this Safety Data Sheet.

13. DISPOSAL CONSIDERATIONS**DISPOSAL METHOD**

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT SHIPPING NAME:	AEROSOLS
DOT HAZARD CLASS:	2.1
DOT LABEL (S):	2.1
UN/NA NUMBER:	UN1950
PACKING GROUP:	

IMDG SHIPPING NAME:	AEROSOLS
CLASS:	2.1
IMDG-LABELS:	2.1
UN NUMBER:	UN1950
PACKING GROUP:	

**Boron Nitride Spray II
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EMS No:	F-D; S-U
IATA:	AEROSOLS
CLASS:	2.1
ICAO-LABELS:	2.1
UN NUMBER:	UN1950
PACKING GROUP:	

15. REGULATORY INFORMATIONInventories

Australia Inventory of Chemical Substances (AICS)	n (Negative listing)
EU list of existing chemical substances	y (positive listing)
Japan Inventory of Existing & New Chemical Substances (ENCS)	n (Negative listing)
China Inventory of Existing Chemical Substances	y (positive listing)
Korea Existing Chemicals Inventory (KECI)	y (positive listing)
Canada DSL Inventory	y (positive listing)
Canada NDSL Inventory	n (Negative listing)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (positive listing)
TSCA list	y (positive listing)

For inventories that are marked as quantity restricted or special cases, please contact Momentive.

US Regulatory Information**CERCLA**

Reportable quantity 303 lbs

PRODUCT COMPOSITION

Ethanol

Chemical

64-17-5

CERCLA Reportable Quantity

Reportable quantity: 100 LBS

SARA (311,312) HAZARD CLASS

Acute Health Hazard; Chronic Health Hazard; Fire Hazard

SARA (313) CHEMICALS**CALIFORNIA PROPOSITION 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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16. OTHER INFORMATION**OTHER**

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. C = ceiling limit NEGL = negligible EST = estimated NF = none found
NA = not applicable UNKN = unknown NE = none established REC = recommended ND = none determined V = recommended by vendor SKN = skin TS = trade secret R = recommended MST = mist NT = not tested STEL = short term exposure limit ppm = parts per million ppb = parts per billion By-product = reaction by-product, TSCA inventory status not required under 40 CFR part 720.30(h-2).