## Heegermaterials

## SAFETY DATA SHEET

**Date Revised:** 01/15/2022

## SECTION 1. IDENTIFICATION

Product Identifier: Boron Nitride

**Product Code: BB525** 

**CAS Number:** 10043-11-5

Relevant identified uses of the substance: Scientific research and development

Supplier details:

Heeger Materials Inc. 230 Steele St Denver

CO 80206 **United States** 

Tel: +1 925-385-8104

Emergency telephone number:

+1 800-424-9300

## eger Materials inc. SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The substance is not classified as hazardous to health or the environment according to the CLP regulation.

Hazards not otherwise classified

No data available

Label elements

Labelling according to Regulation (EC) No 1272/2008

N/A

Hazard pictograms

N/A

Signal word

N/A

Hazard statements

N/A

WHMIS classification

Not controlled

Classification system

HMIS ratings (scale 0-4)

(Hazardous Materials Identification System)

**HEALTH FIRE REACTIVITY** 0 Health (acute effects) = 0Flammability = 0Physical Hazard = 0Other hazards

Results of PBT and vPvB assessment

PBT: N/A vPvB: N/A

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

CAS No. / Substance Name:

10043-11-5 Boron nitride

# Identification number: 233-136-6 SECTION 4. FIRST AID MEASURES Of first aid measures

In case of skin contact:

Wash with water and soap and rinse thoroughly.

Generally the product does not irritate the skin.

In case of eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

If swallowed:

Drink lots of water.

Induce vomiting if patient is conscious.

Information for doctor

Most important symptoms and effects, both acute and delayed

No data available

Indication of any immediate medical attention and special treatment needed

No data available

## SECTION 5. FIREFIGHTING MEASURES

Extinguishing media Suitable extinguishing agents Product is not flammable. Use fire-fighting measures that suit the surrounding fire.

Special hazards arising from the substance or mixture

If this product is involved in a fire, the following can be released:

Nitrogen oxides (NOx)

Boron oxide

Advice for firefighters

Protective equipment:

No special measures required

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Particular danger of sli

pping on leaked/spilled product.

Not required.

Environmental precautions:

No special measures required.

Methods and materials for containment and cleanup:

Pick up mechanically.

Prevention of secondary hazards:

No special measures required.

Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment. Aterials Inc.

See Section 13 for disposal information

## SECTION 7. HANDLING AND STORAGE

Handling

Precautions for safe handling

Keep container tightly sealed.

Store in cool, dry place in tightly closed containers.

Information about protection against explosions and fires:

The product is not flammable

No special measures required.

Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

No special requirements.

Information about storage in one common storage facility:

Store away from oxidizing agents.

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions

in well-sealed containers.

Specific end use(s)

No data available



Additional information about design of technical systems:

No further data; see section 7.

Control parameters

Components with limit values that require monitoring at the workplace:

None.

Additional information:

The exposure limits that were valid when the MSDS was created were used.

No data

Exposure controls

Personal protective equipment

Follow typical protective and hygienic practices for handling chemicals.

Maintain an ergonomically appropriate working environment.

Breathing equipment:

Not necessary if room is well-ventilated.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Not required.

Recommended filter device for short term use:

Filter P1

Protection of hands:

Protective gloves.

Not required.

Penetration time of glove material (in minutes)

## 

Appearance:

Form:

Solid in various forms

Color:

White

Odor:

Odorless

Odor threshold:

No data available.

pH:

N/A

Melting point/Melting range:

None

Boiling point/Boiling range:

None

Sublimation temperature / start:

3000 °C (5432 °F)

Flash point:

N/A

Flammability (solid, gas) No data available. Ignition temperature: No data available Decomposition temperature: No data available Autoignition: No data available. Danger of explosion: Product does not present an explosion hazard. Explosion limits: Lower: No data available Upper: No data available Vapor pressure at 20 °C (68 °F): 0 hPa Density at 20 °C (68 °F): No data available. Relative density Ceser Materials Inc. No data available. Vapor density N/A Evaporation rate N/A Solubility in / Miscibility with Water: Insoluble Partition coefficient (n-octanol/water): No data available. Viscosity: Dynamic: N/A Kinematic: N/A

## SECTION 10. STABILITY AND REACTIVITY

Reactivity

No data available

Other information No data available

Chemical stability

Stable under recommended storage conditions.

Thermal decomposition / conditions to be avoided:

Decomposition will not occur if used and

stored according to specifications.

Possibility of hazardous reactions

No dangerous reactions known

Conditions to avoid

No data available

Incompatible materials:

Oxidizing agents Hazardous decomposition products: Nitrogen oxides Boron oxide

## SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

The Registry of Toxic Effects of Chemical Substances (RTECS) contains acute toxicity data for components in this product.

LD/LC50 values that are relevant for classification:

No data

Skin irritation or corrosion:

No irritant effect.

Eye irritation or corrosion:

No irritant effect.

Sensitization:

No sensitizing effects known.

Germ cell mutagenicity:

No effects known.

Carcinogenicity:

EPA-I: Data are inadequate for an assessment of human carcinogenic potential.

Reproductive toxicity:

No effects known.

Specific target organ system toxicity - repeated exposition.

No effects known.

Specific target organ system toxicity - single exposure:

Subacute to chronic toxicity:

The Registry of Toxic Effects of Chemical Substances (RTECS) contains multiple dose toxicity data for this substance.

Additional toxicological information:

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

The substance is not subject to classification.

Carcinogenic categories

OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

## SECTION 12. ECOLOGICAL INFORMATION

**Toxicity** 

Aquatic toxicity:

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Additional ecological information:

Not known to be hazardous to water.

Do not allow material to be released to the

environment without official permits.

Avoid transfer into the environment.

Results of PBT and vPvB assessment

PBT:

N/A

vPvB:

N/A

Other adverse effects

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendation

Smaller quantities can be disposed of with household waste.

Consult official regulations to ensure proper disposal.

Uncleaned packagings:

Recommendation:

Disposal must be made according to official regulations.

## PERSO. ACCITALS Inc. SECTION 14. EXPOSURE CONTROLS/PERSONAL PROTECTION

**UN-Number** 

DOT, ADN, IMDG, IATA

N/A

UN proper shipping name

DOT, ADN, IMDG, IATA

N/A

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA

Class

N/A

Packing group

DOT, IMDG, IATA

N/A

Environmental hazards:

N/A

Special precautions for user

N/A

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N/A

Transport/Additional information:

DOT

Marine Pollutant (DOT):

No

Item:

UN "Model Regulation"

## SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture National regulations

All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory.

All components of this product are listed on the Canadian Domestic Substances List (DSL).

SARA Section 313 (specific toxic chemical listings)

Substance is not listed.

California Proposition 65

Prop 65 - Chemicals known to cause cancer

Substance is not listed.

Prop 65 - Developmental toxicity

Substance is not listed.

Prop 65 - Developmental toxicity, female

Substance is not listed.

Prop 65 - Developmental toxicity, male

Substance is not listed.

Information about limitation of use:

For use only by technically qualified individuals.

Other regulations, limitations and prohibitive regulations

Substancot listed.

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.e of Very High Concern (SVHC) accord ing to the REACH Regulations (EC) No. 1907/2006.

Substance is not listed.

The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 The conditions of real (REACH) for the manufacturing, placing on the substance is not listed.

Substance is not listed.

Annex XIV of the REACH Regulations (requiring Authorisation for use)

## 16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Heeger Materials Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.