

1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Name: Wurtzite boron nitride paste
High Temperature Mold Release

Product Use: Barrier for High Temperature Manufacturing

MANUFACTURER/DISTRIBUTOR:

Merqum LLC
Trudovoy11
Poltava 36011 Ukraine
(380) 95-869-43-79

Emergency Phone Number:
(380) 50-304-92-82

2. HAZARDS IDENTIFICATION

Hazard classification

Not a hazardous substance or mixture according to GHS

GHS Label elements:

Signal word

None

Pictograms

None required

Hazard Statement:

No known significant effects or critical hazards.

Precautionary Statements

Use personal protective equipment as required.

If exposed or concerned: Get medical advice/attention.

Store in a well-ventilated place.

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

3. HAZARDOUS INGREDIENTS

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES

Inhalation: Under normal conditions of intended use, this material is not expected to be a hazardous material by inhalation.

Eye: Rinse immediately with plenty of water for 15 minutes holding eyelids open. Seek medical attention if irritation or symptoms persist.

Skin: Remove contaminated clothing and shoes. Wipe excess material off skin and a dry cloth. Wash immediately with plenty of water. Get medical attention if symptoms occur.

Oral: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

5. FIRE FIGHTING MEASURES

Flash Point: None

Extinguishing Media: This product does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special hazards arising from the substance or mixture: Hazardous Decomposition Products: Nitrogen oxides, Oxides of boron, Carbon dioxide, Carbon monoxide.

Special Fire Fighting Instruction: Water spray should be used to cool containers. Wear suitable protective equipment. Self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Use personal protective equipment.

Environmental precautions: Do not allow to enter drains, sewers watercourses.

Methods and material for containment and cleaning up: Surfaces contaminated with the product will become slippery. Absorb with inert material. Do not allow product to enter sewer or waterways. Clean area thoroughly with plenty of water.

7. HANDLING AND STORAGE

Handling: Wear appropriate protective equipment, if necessary. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

Storage Conditions: Store in tightly closed original container in a dry, cool and well-ventilated place,

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

Respiratory Protection: If ventilation is insufficient, suitable respiratory protection must be provided.

Hygiene Measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye Protection: Wear safety glasses with side shields (or goggles).

Skin Protection: Protective gloves are recommended.

Environmental Exposure Controls: None of the components have assigned exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: approx. 212°F/100°C

Percent Volatile by Volume: 65-75 %

Density: 1.00 g/cc

Vapor Pressure: No data available

Vapor Density (Air=1): No data available

Solubility in H₂O : Soluble

pH Information: 9-10

Evaporation Rate (CC14=1): No data available

Form: Paste

Appearance: NA

Color: White

Odor: None

10. STABILITY AND REACTIVITY

Chemical Stability: Stable.

Material and Conditions to Avoid: Strong oxidizers, strong reducers

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Possibility of Hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Oral: No data available.

Dermal: No data available.

Inhalation: No data available.

Repeated Dose Toxicity: No data available.

Skin Corrosion/Irritation: No data available.

Serious Eye Damage/Eye Irritation: No data available.

Respiratory or Skin Sensitization: No data available.

Carcinogenicity: No data available.

Germ Cell Mutagenicity:

In vitro: No data available.

In vivo: No data available.

Reproductive Toxicity: No data available.

Specific Target Organ Toxicity – Single Exposure: No data available.

Specific Target Organ Toxicity – Repeated Exposure: No data available.

Aspiration Hazard: No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Acute hazards: No data is available on this product.

Chronic hazards: No data is available on this product.

Persistence and Degradability: No data available on this product.

Bioaccumulative Potential: No data is available on this product.

Mobility of Soil: Not data is available on this product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: In accordance with local and national regulations.

Environmental Hazards: Empty containers can be sent for disposal or recycling.

14. TRANSPORT INFORMATION

U.S. DOT

Not Regulated

IATA

Not Regulated

IMDG

Not Regulated

15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA: On or in compliance with the inventory.

16. OTHER INFORMATION

FOR INDUSTRIAL USE ONLY

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user.