A. IDENTIFICATION OF SUBSTANCE

1. Product identifiers

Product name: Hexagonal boron nitride grade A / B
Supplier: TXMaterials

2. Substance information

Product name: Hexagonal boron nitride
Formula: BN
Cas number: 10043-11-5
Molecular weight: 24.82 g/mol

3. Relevant identified use

Laboratory chemical. For R&D purposes only. Not for drug, household or other uses.
B. HEALTH HAZARDS

1. HAZARDS RATINGS

The material as sold is in solid form and is not considered hazardous. However, if the process involved grinding, melting, cutting or any other process that causes a release of dust or fumes, hazardous levels of airborne particulates could be generated.

Primary routes of entry: Inhalation, skin contacts.

Target organs: Respiratory tract, skin.

C. PROPERTIES

1. PHYSICAL PROPERTIES

Appearance: white crystallites with varying sizes in excess of 100um.

Melting point: 2700°C

Relative density: 2.25 g/cm³

2. STABILITY AND REACTIVITY

Reactivity: No data available

Chemical stability: Stable

Conditions to avoid: Heat, excessive moisture.

Possibility of hazardous reaction: no data available

Conditions to avoid: No data available

Incompatible materials: Acids, Strong oxidizers, waste/moisture

Hazardous decomposition products: None under proper usage conditions

D. PROTECTIVE EQUIPMENT

Protective gloves: Neoprene

Eye protection: Safety glasses

Other: Protective clothing to prevent contamination of skin and clothes
E. HANDLING AND STORAGE

Precautions for handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Storage instructions

Store in a sealed container in a cool, dry place. Wash hands after handling and before meals.

Disclaimer

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. TXMaterials shall not be held liable for any damage resulting either directly or indirectly from handling or from contact with the above product.

Latest revision December 2013