

**SILICON DIOXIDE**  
**SAFETY DATA SHEET**  
DATE OF LAST REVISION: 07/02/15

**Section 1: Identification**

**Product Name:** Silicon Dioxide  
**CAS Number:** Not available / **EC Number:** Not available  
**Company:** Angstrom Sciences, Inc.  
40 South Linden Street  
Duquesne, PA 15110  
For more information call: 412-469-8466  
(Monday - Friday 9:00 AM -5:00 PM EST)

**Section 2: HAZARD IDENTIFICATION**

**Signal Word:** None

**Hazard Statements:** None

**Precautionary Statements:** None

**HMIS Health Ratings (0-4):**

Health:	1
Flammability:	0
Physical:	0

**Section 3: Composition/Information on Ingredients**

**Chemical characterization:** Ceramic

**Additional Names:** Silicon (IV) Nitride

**CAS# Description:** 12033-89-5

**Percentage:** 100 wt%

**EC number:** 234-796-8

**Section 4: FIRST AID MEASURES**

**General Treatment:** Seek medical attention if symptoms persist.

**Special Treatment:** None

**Eye Contact:** If there is fine sized material in the eyes rinse immediately with plenty of water, including under the eyelids. Consult an eye specialty.

**Skin Contact:** Wash off fine sized material with plenty of water.

**Inhalation:** Supply with fresh air after inhalation of fine sized material

**Ingestion:** In the case of accident or if you feel unwell, seek medial advice.

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**Section 5: FIRE FIGHTING MEASURES**

**Suitable extinguishing Media:** Substance is not combustible. Use extinguishing media which are appropriate to the environment. Water spray, dry chemical, carbon dioxide or foam.

**Special Fire Fighting Procedure:** None.

**Section 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Do not breathe dust.

**Environmental Precautions:** A hazard to drinking water when entering the ground is not to be suspected.

**Section 7: HANDLING AND STORAGE**

**Handling Precautions for safe handling:** Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibilities:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10 of SDS) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION**

**Permissible Exposure Limits:** N/A

**Threshold Limit Value:** N/A

**Respiratory Protection:** Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Protective Gloves:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Eye Protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

**Body Protection:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:**

<b>Form:</b>	Solid
<b>Color:</b>	Colorless
<b>Odor:</b>	Odorless

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**Water Solubility:** Insoluble  
**Boiling Point:** N/A  
**Melting Point:** N/A

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**Flash Point:** N/A  
**Autoignition Temperature:** N/A  
**Density:** 2.65 g/cc

### Section 10: STABILITY AND REACTIVITY

**Reactivity:** Stable under normal conditions.  
**Chemical Stability:** The product is stable.  
**Incompatible Conditions:** Hydrofluoric Acid  
**Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### Section 11: TOXICOLOGICAL INFORMATION

**Potential Health Effects:**  
**Eyes:** Not determined  
**Skin:** Not determined  
**Ingestion:** Not determined  
**Inhalation:** Not determined  
**Chronic:** N/A

**Signs & Symptoms:** N/A  
**Aggravated Medical Conditions:** N/A  
**Median Lethal Dose:** N/A  
**Carcinogen:** N/A

### Section 12: ECOLOGICAL INFORMATION

**Aquatic Toxicity:** N/A  
**Persistence Bioaccumulation Toxicity:** N/A  
**Very Persistent, Very Bioaccumulative:** N/A  
**Notes:** N/A

### Section 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, national, and international regulations

### Section 14: TRANSPORT INFORMATION

**Hazardous:** Not hazardous for transportation

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**Hazard Class:** N/A  
**Packing Group:** N/A  
**UN Number:** N/A  
**Proper Shipping Name:** N/A

**Section 15: REGULATORY INFORMATION**

**Sec 302 Extremely Hazardous:** No  
**Sec 304 Reportable Quantities:** N/A  
**Sec 313 Toxic Chemicals:** N/A

**Section 16: OTHER INFORMATION**

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.