



# SAFETY DATA SHEET

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Version: 2.0

### 1. IDENTIFICATION

<b>Product Name</b>	EpiX Superalloy Abrasive
<b>Recommended Use</b>	Abrasive applications (i.e. abrasive blasting, coating removal, mill scale removal, weld cleaning, stone cutting & engraving, surface etching, etc.)
<b>Manufacturer Address</b>	10X Engineered Materials, LLC 1162 Manchester Ave. Wabash, IN 46992 United States
<b>Company Phone Number</b>	(260) 209-1207
<b>Emergency Telephone</b>	(260) 209-0154 (after 5 p.m. EST and weekends)

### 2. HAZARDS IDENTIFICATION

<b>OSHA Regulatory Status</b>	This material is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
<b>Label elements</b>	The product contains no substances which, at their given concentration, are considered to be hazardous to health.
<b>Hazards not otherwise classified (HNOC)</b>	May cause temporary skin and mucous membranes itching due to mechanical abrasion effect of material.
<b>Unknown acute toxicity</b>	No information available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components			
Oxide	Chemical Formula	CAS Number	Weight %
Amorphous Silicon Dioxide	SiO <sub>2</sub>	7631-86-9	40-45
Calcium Oxide	CaO	1305-78-8	28-33
Magnesium Oxide	MgO	1309-48-4	8-13
Aluminum Oxide	Al <sub>2</sub> O <sub>3</sub>	1344-28-1	8-13
Iron Oxide	FeO	1345-25-1	0.5-1.5

**Additional Information** - This product, as supplied, contains no Crystalline Silica or Beryllium.

### 4. FIRST AID MEASURES

<b>Description of First Aid Measures</b>	
<b>Eye contact</b>	- Rinse thoroughly with plenty of water as well as under the eyelids. - DO NOT rub or scratch eyes. - If eye irritation persists, get medical advice/attention.
<b>Skin contact</b>	- Wash off immediately with soap and cold water. - Use a washcloth to help remove dust from skin. - Never use compressed air to remove materials from skin or clothing.
<b>Inhalation</b>	- Remove to fresh air. - If symptoms persist, call a physician.
<b>Ingestion</b>	- Accidental ingestion of this material is unlikely. - Rinse mouth with water and drink water to remove dust from the throat.
<b>Note to physicians</b>	- Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	None
<b>Specific hazards arising from the chemical</b>	No information available
<b>Explosion data</b> - Sensitivity to Mechanical Impact - Sensitivity to Static Discharge	None None
<b>Protective equipment and precautions for firefighters</b>	No special equipment is necessary for this material.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment, and emergency procedures</b>	
<b>Personal precautions</b>	- Avoid contact with eyes and skin. - Use personal protective equipment as required.

	- Wash thoroughly after handling.			
<b>Environmental precautions</b>	- See Section 12 for additional ecological information. - Dispose of contents/container to an approved waste disposal facility.			
<b>Methods and material for containment and cleaning up</b>				
<b>Methods for containment</b>	- Prevent further leakage or spillage if safe to do so.			
<b>Methods for cleaning up</b>	- Use personal protective equipment as required. - Pick up and transfer to properly labeled containers. - Avoid creating dust. - Clean contaminated surface thoroughly. - Dispose of in accordance with Local, State, Federal and Provincial regulations.			
<b>7. HANDLING AND STORAGE</b>				
<b>Conditions for safe storage, including any incompatibilities</b>				
<b>Storage conditions</b>	Keep in a dry place			
<b>Known incompatible materials</b>	Mild reaction and odor when contacted with strong acids. Should the material be contaminated with acid, provide adequate ventilation and respiratory protection to clean the area. Do not use contaminated product and dispose in accordance with governing laws and standards for safe handling, spill remediation, and disposal of acids.			
<b>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b>				
<b>Control Parameters</b>				
<b>Exposure Guidelines</b>	This product, as supplied, does not contain hazardous materials with occupational exposure limits established by federal or state regulatory agencies.			
<b>Engineering Controls</b>	- Provide local exhaust and/or general ventilation to control dust. - Dust collection system should be used to reduce exposure to dust. - Vacuum or wet clean-up methods should be used. - Using this material in an uncontrolled environment (outside a blast booth or similar enclosure) may create particulate dust, appropriate controls are recommended.			
<b>Individual protection measures, such as personal protective equipment</b>				
<b>Eye/face protection</b>	- Wear safety glasses with side shields (or goggles).			
<b>Skin and body protection</b>	- Wear protective gloves. - Wear long-sleeved shirt and long pants.			
<b>Respiratory protection</b>	- When workers are facing airborne particulates/dust concentrations above the exposure limits, they must use an appropriate certified respirator. - A properly fitted NIOSH approved disposable N95 type dust respirator or better is recommended when using the material.			
<b>General hygiene consideration</b>	- Wash hands before breaks and immediately after handling products. - Take off all contaminated clothing and wash it before reuse.			
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>				
<b>Physical state</b>	Solid			
<b>Appearance</b>	Solid particulate			
<b>Odor</b>	Low			
<b>Color</b>	Black, gray			
<b>Melting point</b>	1150°C / 2102°F			
<b>Water solubility</b>	Insoluble in water			
<b>Material Density</b>	2.7-2.9 g/cc			
<b>10. STABILITY AND REACTIVITY</b>				
<b>Reactivity</b>	No known reactivity			
<b>Chemical stability</b>	Stable			
<b>Possibility of hazardous reactions</b>	None under normal processing			
<b>Conditions to avoid</b>	Extremes of temperature			
<b>Incompatible materials</b>	Mild reaction with strong acids			
<b>Hazardous decomposition products</b>	None			
<b>11. TOXICOLOGICAL INFORMATION</b>				
<b>Information on likely routes of exposure</b>				
<b>Chemical Name</b>	<b>ACGIH</b>	<b>IARC</b>	<b>NTP</b>	<b>OSHA</b>
Mineral Solids	-	-	-	5 mg/m <sup>3</sup> PEL-TWA

Particulates not regulated aside from total and respirable dust. Dust may cause temporary skin and mucous membrane irritation due to mechanical abrasion. Mechanical abrasion is not considered as a health hazard as defined by the Hazard Communication Standard (HCS 2012) OSHA Regulation. Inhalation may cause coughing, nose and throat irritation and sneezing. High exposures may cause difficult breathing, congestion, and chest tightness.

**12. ECOLOGICAL INFORMATION**

This product is not hazardous to the environment.

**13. DISPOSAL CONSIDERATIONS**

Disposal should be in accordance with applicable regional, national, and local laws and regulations.

**14. TRANSPORT INFORMATION**

This product is not subject to regulation as a hazardous material for shipping.

**15. REGULATORY INFORMATION**

**International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Mineral Solids										

**Legend:**

TSCS - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

- |                                     |      |
|-------------------------------------|------|
| - Acute health hazard               | - No |
| - Chronic health hazard             | - No |
| - Fire hazard                       | - No |
| - Sudden release of pressure hazard | - No |
| - Reactive hazard                   | - No |

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (CWA) (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA (Comprehensive Environmental Response Compensation and Liability Act)**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals. Certification in process.

**US State Right-to-Know Regulations**

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b>Creation Date</b>	11-Nov-2020
<b>Revision Date</b>	09-Feb-2021
<b>Revision Note</b>	Updated composition weight percentages.
<b>Disclaimer</b>	

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

**End of Safety Data Sheet**