

## **Section 1: Identification of the substances/mixture and of the company/undertaking**

<b>Product Name:</b>	Nuvo Phoenix Si (OFI)
<b>Chemical Family:</b>	Carbon
<b>Synonym/Common</b>	Silicon Metalloid, Refined Silicon
<b>Name: Product Number:</b>	185-5 NA/EU
<b>Potential uses:</b>	Electronics, Material Refractory and Metallurgical applications
<b>Restrictions on use:</b>	Not available
<b>Supplier:</b>	Nuvo Silicon Products 637 Lowther Road, Lewisberry, PA 17339 (570) 277-2068
<b>Emergency Number:</b>	(803) 719-0817
<b>Preparation:</b>	Nuvo Silicon Products Mike Allen

## **Section 2: Hazards Identification**

### **Emergency Overview**

#### **GHS Classification**

Not a hazardous substance or mixture.

#### **HMIS Classification**

Health hazard: 0

Flammability: 0

Physical hazards: 0

#### **NFPA Rating**

Health hazard: 0

Fire: 0

Reactivity Hazard: 0

Special hazard: 0

**Potential Health Effects: Not applicable**

**Hazard Pictograms:** Not applicable

**Signal Word(s):** Not applicable

**Hazard statements:** Not applicable

**Precautionary statements:** Not applicable

### **Section 3: Composition/Information on ingredients**

<b>Material/Components</b>	<b>CAS#</b>	<b>CAS / IUPAC Name</b>	<b>EINECS#</b>	<b>%</b>
Silicon	7440-21-3	Silicon	231-130-8	100

### **Section 4: First Aid Measures**

**Inhalation:** If respiratory symptoms develop, move to fresh air. Seek immediate medical attention if symptoms persist.

**Skin contact:** Immediately wash with plenty of soap and water.

**Eye contact:** Immediately flush with water for 15 minutes. Get medical attention.

**Ingestion:** Rinse mouth with water. Get medical attention.

**Chronic Health effects:** Mutagenic, teratogenicity, and Developmental potential affects not available.

### **Section 5: Firefighting measures**

**General Fire Hazard:** Bulk of material is not believed to ignite under normal storage conditions.

**Extinguishing media:** Use dry sand, dry chemical, carbon dioxide or alcohol resistant foam.

**Advice for firefighters:** Self-contained breathing apparatus when handling as a powder dust form.

**Flammable limits:**

**Lower:** Not applicable

**Upper:** Not applicable

### **Section 6: Accidental release measures**

**Actions to take for leaks and spills:** Collect in a suitable dry container for re-use, recycling or disposal in accordance with local and regional authority requirements.

**Environmental precautions:** Do not allow product to enter drain. Clean up spills immediately to avoid environmental release.

**Methods and material for containment and cleaning up:** Sweep, vacuum or absorb material while minimizing dust generation. Use proper PPE when handling; see section 7 and 8 for handling and exposure controls.

### **Section 7: Handling and Storage**

**Handling:** Good industrial hygiene practices should be observed. Avoid formation of dust. Use only under conditions of good local ventilation. Avoid contact with skin and eyes. Do not eat, drink, smoke or apply cosmetics while using this material.

**Storage:** Locate in a closed container in a dry and non-draft area to avoid dust production. Monitor hydrogen levels in storage area.

### **Section 8: Exposure controls**

**Respiratory Protection:** Respiratory protection is not required for normal use unless potential dust production, or becomes moisture absorbed and dried. Be sure to use a certified or an approved respirator in the event.

**Eye Protection:** Use chemical goggles or safety glasses. Maintain eye wash station.

**Skin Protection:** Avoid exposed skin and use protective clothing resistant to this material.

**Other Clothing:** Selection of specific items such as face shield, respirator, self-contained breathing apparatus, gloves, apron, lab coat, boots, or full body will depend on operation.

**Engineering Controls:** Work in a well-ventilated area. If operations generate dust, mist or fumes, provide adequate general and local exhaust ventilation to maintain airborne concentrations below applicable occupational exposure limits.

### **Section 9: Physical and Chemical properties**

<b>Appearance:</b>	Solid Metallic	<b>Melting Point:</b>	>1400C (est)
<b>Color:</b>	Gray	<b>Boiling Point:</b>	Not available
<b>State:</b>	Solid (various forms)	<b>Flash Point:</b>	Not available
<b>Odor Characteristics:</b>	Not applicable	<b>Freezing Point</b>	Not applicable
<b>pH</b>	Not available	<b>Percent Volatility:</b>	Not applicable
<b>Viscosity:</b>	Not applicable	<b>Evaporation rate (BAc=1):</b>	Not applicable
<b>Specific Gravity (Water = 1)</b>	>2.0	<b>Solubility in Water:</b>	Insoluble
<b>Vapor Density (Air = 1)</b>	Not applicable	<b>Solubility in Oil:</b>	Insoluble
<b>Vapor Pressure:</b>	Not applicable	<b>Solubility in Acetone:</b>	Not available

### **Section 10: Stability and reactivity**

**Chemical stability:** Stable under normal conditions of use and normal temperature conditions

**Possibility of hazardous reactions:** Freshly milled or cut silicon may react with water to produce heat and hydrogen gas.

**Conditions to avoid:** Wet conditions

**Incompatible materials:** Strong oxidizing agents, alkali carbonates, and water

**Hazardous decomposition products:** Hydrogen, Silicon oxides

### **Section 11: Toxicological Information**

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**Toxicological:** No specific toxicological data is available for this material.

**Carcinogenicity:** Not listed as a carcinogen source by NTP, IARC, ACGIH, OSHA, or CA Prop 65.

### **Section 12: Ecological Information**

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**Ecotoxicity:** There is no data available specifically for this material.

**Persistence and degradability:** Not available

**Bio accumulative potential:** Not available

**Mobility in soil:** Not available

**Results of PBT and vPvB assessment:** Not available

**Other adverse effects:** Not available

### **Section 13: Disposal considerations**

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**Waste treatment methods:** Source recyclable solutions.

**Packaging disposal:** Packing material, utilities such as brooms, dust pans and other collection devices in contact with the material may be reused once rinsed into containment. Material collected then shall be processed for reuse or reclamation.

**Sewage disposal:** Do not release into sewer

**Disposal:** Final disposal of this material should be in accordance with local and national regulation.

### **Section 14: Transport information**

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**UN number:** Not Applicable

**UN proper shipping name:** Not Applicable

**Transport hazard class (es):** Not Applicable

**Packing group:** Not Applicable

**Environmental hazards:** Marine pollutant; No

**Special precautions for user:** Not Available

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not available

### Section 15: Regulatory Information

**OSHA Hazards:** none

**SARA 302 Components:** none

**SARA 313 Components:** none

**SARA 311/312 Hazards:** No SARA hazards.

**Pennsylvania, Massachusetts, and New Jersey Right to Know Components:**

Component(s)	CAS#
Silicon	7440-21-3

**California Prop. 65:** None containing

**Chemical safety assessment:** No

**US Federal Regulations**

Listed in the TSCA inventory: None found

**European/International Regulations**

**Hazard symbol(s):** Not Applicable

**WGK (Water Danger/Protection):**

Listed Dangerous Substances: Not available. Believed to be classified as WGK3.

### Section 16: Other information

**MSDS creation date:** 5/5/2017

**Revision data:** N/A

**Full text and abbreviations in the sheet:**

- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances

**Relevant R (Risk) phrases:**

None

**Relevant S (Safety) phrases:**

None

**Relevant H (Hazard) statements:** See section 2 for number and full description.

**Relevant P (Precautionary) statements:** See section 2 for number and full description.

**Training instructions:** Not available

**Recommended restrictions on use (non statutory recommendations by supplier):** Not available

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