

## Safety Data Sheet

acc. to OSHA HCS

Date of issue: 09/29/2025

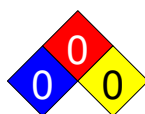
Reviewed on 09/26/2025

### 1 Identification

- **Product identifier**
- **Trade name:** GP-3I FUSED SILICA POWDER
- **CAS Number:**  
60676-86-0
- **Other means of identification**
- **Article number:** 1438
- **EC number:**  
262-373-8
- **Restrictions** Restricted to industrial or professional use.
- **Application of the substance / the mixture** Refractory Material
- **Uses advised against** Avoid dry cutting, blasting, or dust generation.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
HarbisonWalker International  
2000 Park Lane Drive, Suite 400  
Pittsburgh  
Pennsylvania  
15275  
USA
- **Information department:**  
SDS@thinkHWI.com  
+33 (0)2 59 60 31 14

### 2 Hazard(s) identification

- **Classification of the substance or mixture**  
The substance is not classified, according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**  
Wear protective gloves/protective clothing/eye protection. Wash thoroughly after handling.  
Observe good industrial hygiene practices.  
Wash hands after handling.  
Store away from incompatible materials.  
Dispose of waste and residues in accordance with local authority requirements.
- **Information pertaining to particular dangers for man and environment:**
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0  
Fire = 0  
Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = 0  
Fire = 0  
Reactivity = 0

(Contd. on page 2)

## Safety Data Sheet

acc. to OSHA HCS

Date of issue: 09/29/2025

Reviewed on 09/26/2025

**Trade name: GP-3I FUSED SILICA POWDER**

(Contd. of page 1)

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Classification according to (d)(1)(ii) of § 1910.1200**  
The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.
- **Hazards not otherwise classified**  
There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

### 3 Composition/information on ingredients

- **Chemical characterization: Substances**
- **CAS No. Description**  
60676-86-0 Silica, vitreous
- **Identification number(s)**
- **EC number:** 262-373-8

### 4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**  
Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists.
- **After swallowing:** If symptoms persist consult doctor.
- **Most important symptoms and effects, both acute and delayed**  
Direct contact with eyes may cause temporary irritation.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. For personal protection, see section 8 of the SDS.
- **Environmental precautions:** No special measures required.

(Contd. on page 3)

US

## Safety Data Sheet

### acc. to OSHA HCS

Date of issue: 09/29/2025

Reviewed on 09/26/2025

**Trade name: GP-3I FUSED SILICA POWDER**

(Contd. of page 2)

- **Methods and material for containment and cleaning up:**  
 Dispose of the collected material according to regulations.
- **Reference to other sections**  
 See Section 7 for information on safe handling.  
 See Section 8 for information on personal protection equipment.  
 See Section 13 for disposal information.

### 7 Handling and storage

- **Precautions for safe handling**  
 Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Avoid prolonged exposure. Practice good housekeeping.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

#### · Control parameters

#### · Components with limit values that require monitoring at the workplace:

**60676-86-0 Silica, vitreous**

 PEL 20mppcf or 80mg/m<sup>3</sup> /%SiO<sub>2</sub>

TLV TLV withdrawn

#### · Regulatory information

PEL: Guide to Occupational Exposure Values (OSHA PELs)

TLV: Guide to Occupational Exposure Values (TLV)

#### · Additional information: The lists that were valid during the creation were used as basis.

#### · Exposure controls

##### · Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits.

##### · Personal protective equipment:

##### · General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

##### · Breathing equipment:

Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

(Contd. on page 4)

## Safety Data Sheet

### acc. to OSHA HCS

Date of issue: 09/29/2025

Reviewed on 09/26/2025

**Trade name: GP-3I FUSED SILICA POWDER**

(Contd. of page 3)

· **Protection of hands:**

Protective gloves



The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Wear safety glasses with side shields (or goggles).

· **Body protection:**



Standard industrial clothing is sufficient for room temperature installations (ISO 6942). Do not shake out work clothes. Do not remove dust with compressed air.

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Solid

· **Color:**

Grey

· **Odor:**

uncharacteristic

· **Odor threshold:**

Not determined.

· **Melting point/Melting range:**

Undetermined.

· **Boiling point/Boiling range:**

Undetermined.

· **Flammability:**

Product is not flammable.

· **Explosion limits:**

· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Flash point:**

Not applicable.

· **Decomposition temperature:**

Not determined.

· **pH-value:**

Not applicable.

· **Viscosity:**

· **Kinematic:**

Not applicable.

· **Dynamic:**

Not applicable.

· **Solubility in / Miscibility with**

· **Water:**

Insoluble.

· **Partition coefficient (n-octanol/water):**

Not determined.

(Contd. on page 5)

## Safety Data Sheet

acc. to OSHA HCS

Date of issue: 09/29/2025

Reviewed on 09/26/2025

**Trade name: GP-3I FUSED SILICA POWDER**

(Contd. of page 4)

· <b>Vapor pressure:</b>	Not applicable.
· <b>Vapor pressure:</b>	
· <b>Density:</b>	Not determined.
· <b>Relative density</b>	Not determined.
· <b>Vapor density</b>	Not applicable.
· <b>Particle characteristics</b>	Not determined.
· <b>Other information</b>	
· <b>Appearance:</b>	
· <b>Form:</b>	Solid
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Ignition temperature:</b>	Not determined.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>VOC content:</b>	0.00 %
· <b>Solids content:</b>	100.0 %
· <b>Change in condition</b>	
· <b>Evaporation rate</b>	Not applicable.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:**  
Incompatibility is based strictly upon potential theoretical reactions between chemicals and may not be specific to industrial application exposure.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **on the skin:** Prolonged skin contact may cause temporary irritation.
- **on the eye:** Direct contact with eyes may cause temporary irritation.
- **Sensitization:** No sensitizing effects known.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **Specific target organ toxicity - single exposure**  
Based on available data, the classification criteria are not met.
- **Specific target organ toxicity - repeated exposure**  
Based on available data, the classification criteria are not met.
- **Aspiration hazard** Not applicable
- **Additional toxicological information:** The substance is not subject to classification.

(Contd. on page 6)

## Safety Data Sheet

### acc. to OSHA HCS

Date of issue: 09/29/2025

Reviewed on 09/26/2025

**Trade name: GP-3I FUSED SILICA POWDER**

(Contd. of page 5)

- **Interactive effects** No interactive effects between components are known.
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)** 3
- **NTP (National Toxicology Program)** Substance is not listed.
- **OSHA-Ca (Occupational Safety & Health Administration)** Substance is not listed.
- **Alternative sources for toxicological information**  
No non-standard sources for toxicological information where used.

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects**
- **Additional ecological information:**
- **General notes:** Not hazardous for water.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
Must be specially treated adhering to official regulations.  
Since this product is used in several industries, no Waste Code can be provided by the supplier.  
The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |  |               |
|--|---------------|
| · <b>UN-Number</b><br>· <b>DOT, IMDG, IATA</b>   | not regulated |
| · <b>UN proper shipping name</b><br>· <b>DOT, IMDG, IATA</b>                           | not regulated |
| · <b>Transport hazard class(es)</b><br>· <b>DOT, ADN, IMDG, IATA</b><br>· <b>Class</b> | not regulated |
| · <b>Packing group</b><br>· <b>DOT, IMDG, IATA</b>                                     | not regulated |

(Contd. on page 7)

## Safety Data Sheet

acc. to OSHA HCS

Date of issue: 09/29/2025

Reviewed on 09/26/2025

**Trade name: GP-3I FUSED SILICA POWDER**

(Contd. of page 6)

- |  |                 |
|--|-----------------|
| <b>· Environmental hazards:</b>  | Not applicable. |
| <b>· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |
| <b>· Special precautions for user</b>  | Not applicable. |
| <b>· UN "Model Regulation":</b>  | not regulated   |

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.
- **Sara**
- **Section 355 (extremely hazardous substances):** Substance is not listed.
- **Section 313 (Specific toxic chemical listings):** Substance is not listed.
- **TSCA (Toxic Substances Control Act):** ACTIVE
- **Hazardous Air Pollutants** Substance is not listed.
- **Proposition 65**
- **Chemicals known to cause cancer:** Substance is not listed.
- **Chemicals known to cause reproductive toxicity for females:** Substance is not listed.
- **Chemicals known to cause reproductive toxicity for males:** Substance is not listed.
- **Chemicals known to cause developmental toxicity:** Substance is not listed.
- **Carcinogenic categories**
- **EPA (Environmental Protection Agency)** Substance is not listed.
- **TLV (Threshold Limit Value)** Substance is not listed.
- **NIOSH-Ca (National Institute for Occupational Safety and Health)** Substance is not listed.
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge on creation date. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Contact:** SDS@thinkHWI.com
- **Version number of previous version:** 1
- **Date of preparation** 09/29/2025
- **Abbreviations and acronyms:**  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 VOC: Volatile Organic Compounds (USA, EU)

(Contd. on page 8)

**Safety Data Sheet**  
**acc. to OSHA HCS**

Date of issue: 09/29/2025

Reviewed on 09/26/2025

**Trade name: GP-3I FUSED SILICA POWDER**

(Contd. of page 7)

*PBT: Persistent, Bioaccumulative and Toxic*  
*vPvB: very Persistent and very Bioaccumulative*  
*NIOSH: National Institute for Occupational Safety*  
*OSHA: Occupational Safety & Health*  
*TLV: Threshold Limit Value*  
*PEL: Permissible Exposure Limit*  
*REL: Recommended Exposure Limit*

· **\* Data compared to the previous version altered.**

US