

## Safety Data Sheet



### Section 1: Identification

#### Product identifier

##### Product Name

- **Fused Quartz; Amorphous Fused Silica with latex coating**

##### Synonyms

- 7 – 15 micron QUARTZEL Silica Yarn; Chopped Strands with latex coating; Roving

#### Relevant identified uses of the substance or mixture and uses advised against

##### Recommended use

- Textile or composite applications

#### Details of the supplier of the safety data sheet

##### Manufacturer

- Saint-Gobain Quartz USA  
7201 Distribution Drive  
Louisville, KY 40258-2828  
United States  
<http://www.quartz.saint-gobain.com>

Telephone (General) • 502-933-1005

#### Emergency telephone number

##### Manufacturer

- 502-995-2518

### Section 2: Hazard Identification

#### United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

#### Classification of the substance or mixture

##### OSHA HCS 2012

- Not classified

#### Label elements

##### OSHA HCS 2012

#### Hazard statements

- No label element(s) required

#### Other hazards

##### OSHA HCS 2012

- This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

### Section 3 - Composition/Information on Ingredients

## Substances

- Material does not meet the criteria of a substance.

## Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Amorphous/fused silica	CAS:60676-86-0	> 93%	NDA	OSHA HCS 2012: Not Classified	NDA
Latex (coating)	NDA	7%	NDA	OSHA HCS 2012: Eye Irrit. 2	NDA
Styrene Butadiene Polymer [40% TO 55%]	NDA	2.8% TO 3.85%	NDA	OSHA HCS 2012: Not Classified	NDA
Stabilizer [1% TO 5%]	NDA	0.07% TO 0.35%	NDA	OSHA HCS 2012: Not Classified	NDA

## Section 4: First-Aid Measures

### Description of first aid measures

#### Inhalation

- Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. If signs/symptoms continue, get medical attention.

#### Skin

- In case of contact with substance, immediately flush skin with running water for at least 20 minutes.

#### Eye

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes.

#### Ingestion

- Rinse mouth. Do not give anything by mouth to an unconscious person.

### Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

### Indication of any immediate medical attention and special treatment needed

#### Notes to Physician

- No specific actions or treatments recommended related to exposure to this material.

## Section 5: Fire-Fighting Measures

### Extinguishing media

#### Suitable Extinguishing Media

- Not combustible. Use extinguishing media suitable for surrounding fire.

#### Unsuitable Extinguishing Media

- No data available.

### Special hazards arising from the substance or mixture

#### Unusual Fire and Explosion Hazards

- None known.

#### Hazardous Combustion Products

- No data available.

### Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

## Section 6 - Accidental Release Measures

## Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Do not walk through spilled material. Wear appropriate Personal Protective Equipment (PPE).
- Emergency Procedures**
- As an immediate precautionary measure, isolate spill or leak area for at least 25 meters (75 feet) in all directions. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions. Keep unauthorized personnel away.

## Environmental precautions

- Avoid run off to waterways and sewers.

## Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Carefully shovel or sweep up spilled material and place in suitable container.

## Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## Section 7 - Handling and Storage

### Precautions for safe handling

- Handling**
- Use only in well ventilated areas. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing dust.

### Conditions for safe storage, including any incompatibilities

- Storage**
- Keep container closed.

### Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

## Section 8 - Exposure Controls/Personal Protection

### Control parameters

#### Exposure Limits Supplemental OSHA

- Amorphous/fused silica (60676-86-0): **Mineral Dusts:** ((80))/(% SiO<sub>2</sub>) mg/m<sup>3</sup> TWA; 20 mppcf TWA)

### Exposure controls

- Engineering Measures/Controls**
- Dilution ventilation. Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

#### Personal Protective Equipment

##### Respiratory

- For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

##### Eye/Face

- Wear safety goggles.

##### Skin/Body

- Wear appropriate gloves. Wear long sleeves and/or protective coveralls.

#### Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

#### Key to abbreviations

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

## Section 9 - Physical and Chemical Properties

### Information on Physical and Chemical Properties

#### Material Description

Physical Form	Solid	Appearance/Description	Off-white fiber strands with a latex coating that has little to no odor.
Color	Off white.	Odor	Little to no odor.
Odor Threshold	No data available		

#### General Properties

Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	No data available	Bulk Density	2.2 g/cm <sup>3</sup>
Water Solubility	Negligible < 0.1 %	Viscosity	No data available

#### Volatility

Vapor Pressure	10 mmHg (torr) @ 1732 C(3149.6 F)	Vapor Density	No data available
Evaporation Rate	No data available	Volatiles (Wt.)	0 %
Volatiles (Vol.)	0 %		

#### Flammability

Flash Point	No data available	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		

#### Environmental

Octanol/Water Partition coefficient	No data available		
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## Section 10: Stability and Reactivity

### Reactivity

- No dangerous reaction known under conditions of normal use.

### Chemical stability

- Stable under normal temperatures and pressures.

### Possibility of hazardous reactions

- Hazardous polymerization not indicated.

### Conditions to avoid

- Avoid creating dusts.

### Incompatible materials

- Strong alkalis, molten metal oxides, hydrofluoric acid, and phosphoric acid at 400°C

### Hazardous decomposition products

- Amorphous silicate is transformed into crystalline silicate in the presence of alkali at about 800°C.

## Section 11 - Toxicological Information

### Information on toxicological effects



- No information available for the product.

### Persistence and degradability

- No information available for the product.

### Bioaccumulative potential

- No information available for the product.

### Mobility in Soil

- No information available for the product.

### Other adverse effects

- No information available for the product.

## Section 13 - Disposal Considerations

### Waste treatment methods

#### Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

#### Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA

**Special precautions for user** • None specified.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** • No data available

## Section 15 - Regulatory Information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

**SARA Hazard Classifications** • None

State Right To Know		
Component	CAS	PA
Amorphous/fused silica	60676-86-0	No

Inventory		
Component	CAS	TSCA
Amorphous/fused silica	60676-86-0	Yes

### United States

#### Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

- Amorphous/fused silica

60676-86-0

Not Listed

**U.S. - OSHA - Specifically Regulated Chemicals**

• Amorphous/fused silica	60676-86-0	Not Listed
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**Environment****U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

• Amorphous/fused silica	60676-86-0	Not Listed
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**U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

• Amorphous/fused silica	60676-86-0	Not Listed
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**U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities**

• Amorphous/fused silica	60676-86-0	Not Listed
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**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs**

• Amorphous/fused silica	60676-86-0	Not Listed
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**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs**

• Amorphous/fused silica	60676-86-0	Not Listed
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**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

• Amorphous/fused silica	60676-86-0	Not Listed
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**U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing**

• Amorphous/fused silica	60676-86-0	Not Listed
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**United States - California****Environment****U.S. - California - Proposition 65 - Carcinogens List**

• Amorphous/fused silica	60676-86-0	Not Listed
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**U.S. - California - Proposition 65 - Developmental Toxicity**

• Amorphous/fused silica	60676-86-0	Not Listed
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**U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)**

• Amorphous/fused silica	60676-86-0	Not Listed
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**U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)**

• Amorphous/fused silica	60676-86-0	Not Listed
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**U.S. - California - Proposition 65 - Reproductive Toxicity - Female**

• Amorphous/fused silica	60676-86-0	Not Listed
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**U.S. - California - Proposition 65 - Reproductive Toxicity - Male**

• Amorphous/fused silica	60676-86-0	Not Listed
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**United States - Pennsylvania****Labor****U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

• Amorphous/fused silica	60676-86-0	Not Listed
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**U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances**

• Amorphous/fused silica	60676-86-0	Not Listed
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## Section 16 - Other Information

**Revision 2 Date**

- 24/February/2020

**Preparation Date**

- 05/October/2013

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**Key to abbreviations**

NDA = No data available

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