Material Safety Data Sheet

Chemical Substances and Company Information			
Product name (glass type)	Quartz glass (SK-1300,SK-1310)		
Name of manufacturer	Ohara Quartz Co., Ltd.		
Address	1850, Minato, Wakayama-Shi, Wakayama		
Name of section	Sales Division		
Telephone number	+81-50-3537-5454		
Facsimile number	+81-736-66-9016		
Date of creation	March 14, 2019		
Date of revision	Rev.0		

Composition/Information	
Trade name /	Synthetic fused silica products
Chemical name	Synthetic fused sinca products
Component	Silica (Silicon dioxide)
Percent	More than 99.5%
Chemical formula	${ m SiO}_2$
CAS#	60676-86-0

Hazards Identification

Synthetic fused silica is physically and chemically stable and is not hazardous.

Hazardous property	:	Not in particular
Danger	:	Sharp edges and scattering pieces are hazardous. Avoid contact with broken or sharp edges.
Environmental effects	:	No ecotoxicity data is available. As product is inert, it is not assumed to cause an environmental hazard.

First Aid Measures

Eye contact	:	When sharp edge may cause injury, wash eyes promptly with clean water. If necessary, obtain a medical diagnosis.
Mouth contact	:	In case a piece is swallowed and there might be the injury by a sharp edge, take a medical advice promptly.
Skin contact Cut and abrasion	:	Wash skin with clean water, then obtain a medical diagnosis, if necessary. Disinfect cut and abrasion, and stop bleeding immediately. If necessary, obtain a medical diagnosis.

Fire-Fighting Measures

Since synthetic fused silica is nonflammable, any extinguishing agent may be used.			
Extinguishing	:	Although synthetic fused silica is nonflammable, some packaging materials are	
measures		flammable. Move them to safe place.	
Extinguishing	:	Since synthetic fused silica is nonflammable, extinguishing agent is not necessary.	
agent		For some flammable packaging materials, use dry chemical, carbon dioxide, foam,	
		and water .	

Spillage Countermeasures

	ling and ning liquids :	Stop the flow with sandbags or the like to prevent the spill from contaminating soil or being absorbed into wastewater systems such as sewers. Collect as much of the released liquid as possible into an empty container.
Dust :		Prevent dust from contaminating soil or being absorbed into wastewater systems such as sewers, and collect as much of the released dust as possible into an empty container. Be sure to remain upwind and wear a dust mask when dealing with dust spills.
Handling and Sto	rage	
Hand	lling :	As product is breakable, mind not dropping and excessive weight loading. Handle with care to avoid distortion. Pay attention to avoid injury from contact with sharp or broken edge.

Storage	:	Pay attention to avoid damage to the package.
		Store in stable state to avoid tumbling.

Exposure Control/Personal Protection

Engineering	:	During dry processing prevent dust from scattering by installing a local exhaust
protection		system.

Control concentrations of chemical substances

Chemical substance name	Dust
Control concentration	0.1 mg/m^3
	(ACGIH TLV-TWA)
Personal Protection	: For personal protection, safety glasses, safety globes, safety clothes and dust protective masks
	are recommended.

Physical and Chemical Properties

Physical state	:	Solid	Softening point	:	1700°C
Color	:	Transparent	Annealing point	:	1160° C
Odor	:	Odorless	Specific gravity	:	2.20
pН	:	Not applicable	Stability	:	Stable (at room temperature)
Solubility	:	Insoluble (H2O)	Volatility	:	None (at room temperature)
		Soluble (hydrogen fl	uoride acid, hot phos	phori	ic acid, hot alkaline solutions)

Hazard information (Stability and reactivity)

Inflammability	:	None
Volatility	:	None
Oxidizability	:	None
Stability / Reactivity	:	Very Stable
Self-reactivity	:	None
Dust explosiveness	:	None
Ignitability	:	None
Flammability	:	None

Toxicological Information

Acute toxicity	:	None
Carcinogenicity	:	IARC Group 3 – Human Inadequate Evidence, Animal Inadequate Evidence
Chronic toxicity	:	None
Skin corrosion	:	None
Irritative	:	None
Dust toxicity	:	Dust may cause pneumoconiosis or lung cancer.
Mutagenicity	:	None
Teratogenicity	:	None

Ecological Information

Degradability	:	None
Bioaccumulation	:	None
Ichthyotoxicity	:	None

Disposal Considerations

Handle with care not to touch broken edge, and mind not scattering broken pieces.

Transport Information

Load properly to avoid cargo collapse, fall, tumble and damage. Be mindful of breakage in transportation time.

Regulatory Information

Not applicable in Japan

- •Please confirm applicability of laws and regulations depending upon the site scale, installed capacity, and the like.
- •Make sure you are aware of and adhere to all applicable local regulations.

Other Information

Contact us if you wish to melt down glass for recycling or other purposes.

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