



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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Remet Fused Silica (All Grades)

Revision 4

Revision date 2014-10-14

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Remet Fused Silica (All Grades)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Description For use in the ceramic industry.

1.3. Details of the supplier of the safety data sheet

Company REMET UK Limited
Address 44 Riverside II,
Sir Thomas Longley Road
Rochester,
Kent ME2 4DP
Web www.remetuk.com
Telephone +44 (0) 1634 226240
Fax +44 (0) 1634 226241
Email CustomerService@remetuk.com
Email address of the competent person CustomerService@remetuk.com

1.4. Emergency telephone number

Emergency telephone number +44 (0) 1634 226240
9.00am - 5.00pm Mon - Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Main hazards No Significant Hazard

2.2. Label elements

Risk phrases No Significant Hazard.
Safety phrases S22 - Do not breathe dust.
S24/25 - Avoid contact with skin and eyes.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

2.3. Other hazards

Other hazards No Significant Hazard.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Fused Silica (Silica, fused respirable dust)		60676-86-0			90 - 100%	

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3.2. Mixtures

Description

A high purity fused silica.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. If breathing stops, provide artificial respiration.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash with soap and water.
Ingestion	Rinse mouth thoroughly.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Harmful by inhalation. Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. May cause irritation to mucous membranes. May cause irritation to respiratory system.
Eye contact	Irritating to eyes.
Skin contact	May cause irritation to skin. May cause dermatitis.
Ingestion	May cause irritation to mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	Seek medical attention.
Eye contact	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Seek medical attention if irritation or symptoms persist.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

5.2. Special hazards arising from the substance or mixture

Avoid formation of dust.
Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

Wear: Protective equipment.
In case of fire and/or explosion do not breathe fumes.
Wear suitable respiratory equipment when necessary.**SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

Avoid raising dust.
Ensure adequate ventilation of the working area.
Wear suitable protective equipment.

6.2. Environmental precautions

Do not allow product to enter drains.
Do not flush into surface water.
Do not let product contaminate subsoil.
Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

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6.3. Methods and material for containment and cleaning up

Avoid raising dust.
Clean the area using a vacuum cleaner.

6.4. Reference to other sections

See section 2, 3, 8, 13 for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not eat, drink or smoke in areas where this product is used or stored.
Avoid formation of dust.
Ensure adequate ventilation of the working area.
Do not breathe dust or vapour.
Avoid contact with eyes and skin.
Wear suitable protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area.
Store in correctly labelled containers.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

See section 8.2 for further information.

8.1.1. Exposure Limit Values

Fused Silica (Silica, fused respirable dust)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 0.08
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -

8.2. Exposure controls



8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Adopt best Manual Handling considerations when handling, carrying and dispensing.
Apply a barrier cream before handling the product.
Wear protective clothing.
Wash all contaminated clothing before reuse.

Eye / face protection

Avoid contact with eyes.
In case of splashing, wear: Approved safety goggles.

Skin protection - Handprotection

Nitrile rubber gloves.
Chemical resistant gloves (PVC).
Wash hands after handling the product.

Respiratory protection

Do not breathe dust or vapour.
Wear: Suitable half mask respirator with filter P3 (EN 143).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

State	Powder
Colour	Off white
Odour	Characteristic
pH	5.5 - 8.0 (In 10% Slurry)
Melting point	1650 °C
Freezing Point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability limits	No data available
Vapour Flammability	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	2.2
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive	No data available
Oxidising	No data available

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

Water solubility

Insoluble in water.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Strong oxidising agents.

10.4. Conditions to avoid

Moisture.
Will not polymerize.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Burning produces irritating, toxic and obnoxious fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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11.1. Information on toxicological effects

Acute toxicity	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Harmful by inhalation. May cause irritation to respiratory system. Inhalation of dust may cause shortness of breath. Irritating to eyes and respiratory system. May cause allergic reactions in susceptible people. May cause dermatitis. May cause irritation to skin, eyes and mucous membranes.
Respiratory or skin sensitisation	May cause sensitisation by inhalation and skin contact.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure. Repeated or prolonged exposure may cause asthma and eczema.

SECTION 12: Ecological information**12.1. Toxicity**

	No data is available on this product.
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12.2. Persistence and degradability

	Not readily biodegradable.
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12.3. Bioaccumulative potential

	No data available.
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12.4. Mobility in soil

	No data available.
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12.5. Results of PBT and vPvB assessment

	No data available.
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12.6. Other adverse effects

	No data available.
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Further information

	No known adverse environmental effects.
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SECTION 13: Disposal considerations**13.1. Waste treatment methods**

	No data available.
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General information

	Dispose of in compliance with all local and national regulations.
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Disposal of packaging

	Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.
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SECTION 14: Transport information**ADR/RID**

	The product is not classified as dangerous for carriage.
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IMDG

	The product is not classified as dangerous for carriage.
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IATA

	The product is not classified as dangerous for carriage.
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Further information

	The product is not classified as dangerous for carriage.
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SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

15.2. Chemical safety assessment

No data available.

SECTION 16: Other information**Other information****Revision**

This document differs from the previous version in the following areas:
9 - 9.1. Information on basic physical and chemical properties (State).

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.