

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

Product Identifier

Product Name: Component for Polyurethane mold rubber
 Synonyms: n/a
 Trade Names: Quicksil Firm Part A

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

Main Applications (non exhaustive list): Component for Polyurethane mold rubber.
 For industrial / professional use only.

Details of the supplier of the Safety Data Sheet

Company Name: Castaldo
 A division of: Goodwin Refractory Services Ltd.
 Address: Spencroft Road, Holditch Industrial Estate
 Newcastle under Lyme, Staffordshire, ST5 9JE, UK
 Phone No. +44 (0)1782 663600
 Fax No. +44 (0)1782 663611
 Email address: info@grscastingpowders.com

Emergency telephone number:

Emergency Telephone No. +44 (0)1782 663600
 Available outside office hours? No

2. HAZARDS IDENTIFICATION

Classification:

Non hazardous.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture

Cyclotetrasiloxane, Octamethyl	CAS #	%
	0000556-67-2	0.1-1

- This material contains Crystalline Silica. However, due to the physical nature of this material, inhalation of silica dust is not possible.
- This material contains between 0.1– 1% of a known reproductive toxin.

4. FIRST AID MEASURES

Description of first aid measures:

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes, holding eye lids open to be sure the material is washed out.
 Inhalation: Move exposed person to fresh air.
 Ingestion: If swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.
 Skin Contact: No irritation expected. Wash with soap and water.
Most important symptoms/ effects: No known adverse health effects.

Indication of any immediate medical attention and special treatment needed: No known adverse health effects.

5. FIRE FIGHTING MEASURES

Extinguishing media: Use alcohol resistant foam, CO2, Powder, Water spray, sand. Do not use water jet.

Special hazards arising from the substance or mixture: Small amounts of formaldehyde formed at temperatures above about 150 C through oxidation.

Advice for firefighters: Self-contained breathing apparatus. Wear suitable protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective and emergency procedures: Wear suitable protective equipment. Do not allow spills to enter the drains or waterways.

7. HANDLING AND STORAGE

Precautions for safe handling:

None known.

Precautions for safe storage:

Keep container tightly closed. Store in a cool dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CAS No.	Ingredient	Source	Value	Carcinogen data
0000556-67-2	Cyclotetrasiloxane, Octamethyl	OSHA ACGIH NIOSH	No established limit	No No No

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance:	Green paste
Odor:	Characteristic
Odor threshold:	Not measured
pH	No data available.
Melting point/ freezing point:	No data available.
Initial Boiling point:	No data available.
Flash point:	No data available.
Evaporation rate:	Not applicable.
Flammability:	No data available.
Upper/ lower flammability exposure limit:	No data available.
Vapour pressure:	No data available.
Relative density:	No data available.
Water solubility:	Virtually insoluble.
Partition coefficient:	Not measured.
Auto ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	≤ 8500
Explosive Properties:	No data available.
Oxidising properties:	No data available.

10. STABILITY AND REACTIVITY

Reactivity: Hazardous polymerization will not occur.

Chemical stability: Stable under recommended conditions.

Possibility of hazardous reactions: No data available.

Conditions to avoid: No data available.

Incompatible materials: No data available.

Hazardous decomposition products: Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 C through oxidation.

11. TOXICOLOGY INFORMATION

Information on toxicology effects:

Acute toxicity values: Based on available data, the classification criteria are not met.
 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.
 Repeated exposure: Based on available data, the classification criteria are not met.
 Eco toxicity: No data available on this product.

12. ECOLOGICAL INFORMATION

Persistence and Degradability: No data available.
 Bioaccumulative Potential: No data available.
 Mobility in soil: No data available.

13. DISPOSAL CONSIDERATIONS

Material that cannot be used or chemically reprocessed should be disposed of in compliance with all local and national regulations. Contact a licensed waste disposal company. Do not re-use empty containers. Empty containers can be sent for disposal or recycling. For disposal within the EC, the appropriate code according to the European waste catalogue (EWC) should be used.

14. TRANSPORT INFORMATION

This product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

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, authorization 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/EEC, and commission directives 91/155/EEC, 93/67/EEC, 93/105/EEC 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, Authorization 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/EEC and 2002/21/EC.

16. OTHER INFORMATION

Revision History:

27/07/2020– Rev 1 (New document)

Disclaimer:

Such information given on this safety data sheet is to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as its accuracy, reliability or completeness. It is the users responsibility to satisfy itself as to the suitability and completeness of such information for their own particular use.

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

Product Identifier

Product Name: Component for Polyurethane mold rubber
 Synonyms: n/a
 Trade Names: Quicksil Firm Part B

Relevant identified uses of the substance or mixture and uses advised against:
 Main Applications (non exhaustive list): Component for Polyurethane mold rubber.
 For industrial / professional use only.

Details of the supplier of the Safety Data Sheet

Company Name: Castaldo
 A division of: Goodwin Refractory Services Ltd.
 Address: Spencroft Road, Holditch Industrial Estate
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Emergency telephone number:
 Emergency Telephone No. +44 (0)1782 663600
 Available outside office hours? No

2. HAZARDS IDENTIFICATION

Classification:
 Non hazardous.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture	CAS #	%
Polydimethyl Hydrogenmethyl Siloxane	0068037-59-2	1.0- 10
Cyclotetrasiloxane, Octamethyl	0000556-67-2	0.1- 1

4. FIRST AID MEASURES

Description of first aid measures:
 Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes, holding eye lids open to be sure the material is washed out.
 Inhalation: Move exposed person to fresh air.

Ingestion: If swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.
 Skin Contact: No irritation expected. Wash with soap and water.
Most important symptoms/ effects: No known adverse health effects.

Indication of any immediate medical attention and special treatment needed: No known adverse health effects.

5. FIRE FIGHTING MEASURES

Extinguishing media: Use alcohol resistant foam, CO2, sand. Do not use dry chemical, water, halons.

Special hazards arising from the substance or mixture: Measurements have shown formation of small amounts of formaldehyde at temperatures above about 150 C through oxidation.

Advice for firefighters: Self-contained breathing apparatus. Wear suitable protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective and emergency procedures: Wear suitable protective equipment. Do not allow spills to enter the drains or waterways.

7. HANDLING AND STORAGE

Precautions for safe handling:
 Avoid excessive heat, sparks, open flame and other sources of ignition. Avoid contact with incompatible materials. Open and handle container with care. Ensure adequate ventilation. Keep container closed when not in use.

Precautions for safe storage:
 Keep container tightly closed. Store in a cool dry place.

8. Exposure controls / Personal Protection

CAS No.	Ingredient	Source	Value	Carcinogen data
0068037-59-2	Polydimethyl Hydrogenmethyl Siloxane	OSHA	No established limit	No
		ACGIH	No established limit	No
		NIOSH	No established limit	No
0000556-67-2	Cyclotetrasiloxane, Octamethyl	OSHA	No established limit	No
		ACGIH	No established limit	No
		NIOSH	No established limit	No

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance:	Green paste
Odor:	Characteristic
Odor threshold:	Not measured
pH	No data available.
Melting point/ freezing point:	No data available.
Initial Boiling point:	No data available.
Flash point:	No data available.
Evaporation rate:	Not applicable.
Flammability:	No data available.
Upper/ lower flammability exposure limit:	No data available.
Vapour pressure:	No data available.
Relative density:	No data available.
Water solubility:	Virtually insoluble.
Partition coefficient:	Not measured.
Auto ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	Not applicable.
Explosive Properties:	No data available.
Oxidising properties:	No data available.

10. STABILITY AND REACTIVITY

Reactivity: Hazardous polymerization will not occur.

Chemical stability: Stable under recommended conditions.

Possibility of hazardous reactions: No data available.

Conditions to avoid: Moisture.. Heat, open flames, and other sources of ignition. Contact with contaminated and rusty containers can increase the rate of hydrogen formation.

Incompatible materials: No data available.

Hazardous decomposition products: Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 C through oxidation.

11. TOXICOLOGY INFORMATION

Information on toxicology effects:

Acute toxicity values: Based on available data, the classification criteria are not met.
 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.

12. ECOLOGICAL INFORMATION

Repeated exposure: Based on available data, the classification criteria are not met.
 Eco toxicity: No data available on this product.
 Persistence and Degradability: Biologically not degradable. Insoluble in water. Separation by sedimentation.
 Bioaccumulative Potential: No data available.
 Mobility in soil: Insoluble in water. No adverse effects expected.

13. DISPOSAL CONSIDERATIONS

Material that cannot be used or chemically reprocessed should be disposed of in compliance with all local and national regulations. Contact a licensed waste disposal company. Do not re-use empty containers. Empty containers can be sent for disposal or recycling. For disposal within the EC, the appropriate code according to the European waste catalogue (EWC) should be used.

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