

MADA FIRE GUARD SILICONE SEALANT

Safety Data Sheet

SDS-ACC-R02-Rev2 Fire Guard Silicone Sealant - 2025

Product Identification

Chemical Composition:

Mada Fire Guard Silicone Sealant.

Use:

Mada Fire Guard Silicone Sealant.

Contact Information:

Mada Gypsum Company

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For Emergency Product
Information Call
Telephone: +966 14 325 3253

Hazard Identification

- **Emergency Overview:** May cause skin, eye, and respiratory tract irritation.
- **Hazard Classification:** The product is classified according to the Globally Harmonized System (GHS):
 - **Skin Irritation:** Category 2
 - **Eye Irritation:** Category 2A
 - **Specific Target Organ Toxicity (Single Exposure):** Category 3 (Respiratory tract irritation)
- **Hazard Statement:** Overexposure by inhalation may be harmful.
- **Safety Phrase(s):** Use only in well-ventilated areas.

Precautionary Statements:

Prevention: Avoid contact with skin and eyes. Avoid breathing vapors. Use personal protective equipment as required.

Response: If Inhaled: Remove person to fresh air and keep comfortable for breathing.
If On Skin: Wash with plenty of soap and water.

Disposal: Dispose contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.

Composition / Information On Ingredients

Component	CAS – Number	Weight in Percentage
Methyltris (methylethylketoxime) silane	22984-54-9	1 - 5
Calcium Carbonate	471-34-1	20 - 30
Polydimethylsiloxane, hydroxy terminated	70131-67-8	30 – 50
Aluminum trihydroxide	112945-52-5	5 – 10



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First Aid Measures

- **Inhalation:** Move the victim to fresh air. Get medical attention if any discomfort continues.
- **Skin Contact:** Wash skin thoroughly with soap and water. Get medical advice/attention if skin irritation persists.
- **Eye Contact:** Wash immediately with plenty of running water. Get medical advice/attention if eye irritation persists.
- **Ingestion:** Do not induce vomiting. Rinse mouth. Give the victim 1-2 glasses of water. Get immediate medical attention.
- **Note to Physician:** Treatment is symptomatic.

Fire And Explosion Hazard Data

- **General Fire Hazards:** This product is not flammable. No unusual fire hazards noted.
- **Suitable Extinguishing Media:** CO2 foam and dry chemical powder. Use suitable fire extinguishing media for surrounding materials.
- **Unsuitable Extinguishing Media:** Do not use water jet as an extinguisher.
- **Specific Hazards Arising from the Mixture:** During fire, carbon monoxide (CO), carbon dioxide (CO2) and nitrogen oxides (NOx) can be released.
- **Fire Fighting Procedures:** Self-contained breathing apparatus should be worn with full face mask and protective clothing.

Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:** Avoid contact with skin and eyes. Ensure adequate ventilation.
- **Environment precautions:** Do not let product to enter water sources, sewers and drains. Notify authorities in the event of major spillages in accordance to local regulations.

Containment and Clean Up:

- **Procedures:** Wipe, scrape or absorb the spillage with suitable inert material. Avoid contact with skin or inhalation of spillage or vapor. Remove to safe space as spillage of uncured product may cause slippery surface. Wash the floor with plenty of water. Do not empty into drains. Transfer to a closed container for disposal. Wear protective equipment as specified in Section 8.
- **Prevention of Second Disaster:** Absorbed waste maybe disposed as per local government regulations.

Precautions For Safe Handling And Use

Precautions for Safe Handling:

Use only with adequate ventilation. Product releases acetic acid during application and curing. Avoid skin and eye contact. Remove contact lenses before applying sealant. Do not handle lenses until fingers and hands are completely free from sealant. Keep containers/cartridges tightly closed when not in use. Keep out of reach of children. See Section 8 for Personal Protective Equipment.

Proper Storage Condition:

Store the materials in tightly closed in the original packaging and stored in a dry, well-ventilated area at a stable room temperature of 25°C. Keep away from exposure to direct sunlight, dust, moisture, corrosive and solvent fumes and vapors.

Exposure Controls Measures / Personal Protection

- **Ingredient Comments:** Ethyl methyl ketoxime is evolved upon contact with water or humid air.
- **Engineering Controls:** Proper ventilation is recommended for controlling exposures. Local exhaust is preferred.
- **Respiratory Protection:** Use appropriate respirator unless local exhaust ventilation is sufficient.
- **Hand Protection:** Wear impermeable chemical protective gloves while handling this material.
- **Eye Protection:** If risk of splashing, wear safety goggles with side shields.



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Exposure Controls Measures / Personal Protection

- **Other Protective Equipment:** Wear suitable protective clothing such as aprons against splashing and contamination.
- **Work/Hygienic Practices:** When using, do not eat, drink or smoke. Wash at the end of each work shift and before eating. Wash hands thoroughly after handling. Contaminated shoes and clothing should be removed after handling and washed thoroughly before reuse.

Physical / Chemical Characteristics

Appearance

- **Form:** Non-sag paste
- **Color:** Black, Grey, White..

Properties

- **Odor :** Neutral odor
- **pH :** Not determined
- **Specific Gravity @ 25°C :** 1.18 + 0.02
- **Boiling Point (°C) :** Not determined
- **Melting Point :** Not determined
- **Flash Point :** Not established
- **Solubility in Water @ 25°C :** Insoluble
- **Shelf Life :** 12 months at ambient temperature

Stability And Reactivity Data

- **Stability:** Stable under normal temperature conditions.
- **Reactivity:** Polymerizes in the presence of water or moisture.
- **Prohibited Condition:** Avoid excessive heat for prolonged periods of time or contamination.
- **Incompatible Materials:** Can react with strong oxidizing agents (e.g. nitric acid, peroxides and chromates). Alcohols. Alkalis. Strong acids.
- **Hazardous Thermal Decomposition Product:** decomposition of this product during fire or extremely high temperature may liberate carbon dioxides and other toxic gases or vapors.
- **Hazardous Polymerization:** Unknown.

Toxicological Information

Possible Health Effects

Acute

- **Skin:** May cause mild irritation.
- **Eye:** Direct contact may cause mild irritation.
- **Inhalation:** May cause mild irritation to respiratory passages.
- **Ingestion:** Not an anticipated route of exposure at normal use.

Chronic

- **Skin:** No data available.
- **Eye:** No data available.
- **Inhalation:** No data available.
- **Ingestion:** No data available.

Ecological Information

- **Mobility:** Cured material are not mobile
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- **Bioaccumulative Property:** Does not bioaccumulate.
- **Ecotoxicity:** No adverse effects on aquatic organisms are predicted. Do not empty into drains and water sources.
- **Biodegradability:** Non-biodegradable.



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Disposal Considerations

- **Product Disposal:** Dispose waste at an appropriate treatment and disposal facility in accordance to local and national regulations.
- **Disposal of Un-cleaned Packages:** After use, tubes and bottles containing residue of product should be disposed of as chemically contaminated waste according to local and national regulations.

Transport Information

- **UN Number:** Not applicable.
- **IATA Classification:** Not regulated.
- **IMDG Classification:** Not regulated.
- **Special Precautions Re Carriage:** None.
- **Packing Group:** Not applicable.
- **Class:** Not applicable.
- **Proper Shipping Name:** Not applicable.

Regulatory Information

- **Risk Phrases:** Not Classified
- **Safety Phrases:** Wear suitable protective clothing, gloves and eye/face protection.
- **Chemical Safety Assessment:** A chemical safety assessment has not been carried out.

Other Information

General Information: This product should be used as directed. For further information, please consult product data sheets and application information bulletin for this product.

The information contained in this Safety Data Sheet is based on the current state of knowledge and current state of legislation. It provides guidance on Health Safety and Environmental aspects of the product, and should not be taken as a guarantee of technical performance or suitability for particular applications.

Disclaimer of Liability:

The information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable local laws and regulations. Mada Gypsum Company and its subsidiaries make no warranty of any kind, expressed or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded.

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Effective Date: 01-01-2025.

Prepared by: Mada Gypsum Company.