

MATERIAL SAFETY DATA SHEET

DOLPHIN 105 Aluminum & Glass Silicone Sealant

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Revision No. 2

Number of Pages : 4

1. PRODUCT AND COMPANY IDENTIFICATION

Product Details

Product Name : DOLPHIN 105 Aluminum & Glass Silicone Sealant
Product Code : AMI 105 HP
Recommended Use : Aluminum & Glass Sealant

Company Details

Company Name : Al Muqarram Insulation Materials Industry L.L.C.
Address : Industrial Area # 15, Post Box No. 24756
Sharjah, United Arab Emirates

Phone Number : +971 (6) 5353796
Fax No. : +971 (6) 5353964
E-mail ID : info@muqarram.com, sales@muqarram.com
Website : www.muqarram.com

Emergency Telephone Number: 00971-549981925

2. HAZARDS IDENTIFICATION

Emergency Overview : May cause skin, eye, and respiratory tract irritation.
Hazard Classification : Non-hazardous substance or mixture. Non-dangerous goods.
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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

General chemical description:

Moisture-curing acetoxy silicone sealant

CAS No.	%W	CHEMICAL NAME
17689-77-9	1 – 5	Ethyltriacetoxysilane
4253-34-3	1 – 5	Methyltriacetoxysilane
70131-67-8	40 – 60	Polydimethylsiloxane, hydroxyl terminated
112945-52-5	5 – 15	Silicone dioxide, amorphous

4. 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.

5. FIRE FIGHTING MEASURES

General Fire Hazards	: This product is not flammable. No unusual fire hazards noted.
Suitable Extinguishing Media	: CO ₂ 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 (CO ₂) and nitrogen oxides (NO _x) can be released.
Fire Fighting Procedures	: Self-contained breathing apparatus should be worn with full face mask and protective clothing.

6. 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.

7. HANDLING AND STORAGE

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient Comments	Acetic acid is evolved upon contact with water or humid air. Provide ventilation to control exposures.
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.
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : Non-sag paste
Color : Clear, White, Black. RAL Colors available upon request

Properties

Odor : Acetic acid odor
pH : Not determined
Specific Gravity @ 25°C : 1.00 ± 0.01
Boiling Point (°C) : Not determined
Melting Point : Not determined
Evaporation Rate : Not established
Flash Point : Not established
Solubility in Water @ 25°C : Insoluble

Shelf Life : 18 months at ambient temperature

10. STABILITY AND REACTIVITY

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 : Thermal decomposition of this product during fire or extremely high temperature may liberate carbon dioxides and other toxic gases or vapors.
Hazardous Polymerization : Unknown.

11. 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.

12. ECOLOGICAL INFORMATION

Mobility : Cured material are not mobile
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.

13. 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.

14. 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.

15. 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.

16. 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.
Further Information	: The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate health and safety precaution, and hazard information. It does not represent a guarantee of the properties of product.
Revision Comments	: This safety data sheet supersedes all previous issues and users are cautioned to ensure that it is correct.