



WORLD-CLASS
CHEMICALS

MATERIAL SAFETY DATA SHEET

DOLPHIN 110 Aquarium & Glass Silicone Sealant

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Revision No. 3

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Details

Product Name : DOLPHIN 110 Aquarium & Glass Silicone Sealant
Product Code : AMI 110 Aqua
Recommended Use : Aquarium Silicone 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
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 accordance with applicable laws and regulations.

3. COMPOSITION/INFORMATION ON INGREDIENT

Mixtures

General chemical description:

Moisture-curing acetoxy silicone sealant

CAS No.	%W	CHEMICAL NAME
4253-34-3	1 – 5	Methytriacetoxysilane
17865-07-5	1 – 5	Propyltriacetoxysilane
70131-67-8	40 – 60	Polydimethylsiloxane, hydroxyl terminated
112945-52-5	5 – 15	Silicon dioxide, amorphous





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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 arriving from the Mixture	: During fire, carbon monoxide (CO), carbon dioxide (CO ₂) and nitrogen oxides (NOx) can be released.
Firefighting 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 with 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.



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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 color available upon request

PROPERTIES

Odor	: Acetic acid odor
pH	: Not determined
Specific Gravity @ 25°C	: 0.94 ± 0.02
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	: 12 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 & 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 materials are not mobile.
Bioaccumulative Property	: Does not bioaccumulate.

