DOLPHIN 630 STRUCTURAL GLAZING SILICONE SEALANT

Prepared on : 15-11-2015
Revision : 00
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Product Name : **Dolphin 630 SG Sealant**
Product Code : **Dolphin 630 SG**

1. Material Name and Company Data

Material Name / Product Name : **DOLPHIN 630 STRUCTURAL GLAZING SILICONE SEALANT**
Company Name : **Al Muqarram Insulation Material Industry L.L.C.**
Address : 15th Industrial Area,
Post Box No. 24756
Sharjah, United Arab Emirates
Phone Number : +971 (6) 5353796
Fax No. : +971 (6) 5353964
E-mail ID : info@muqarram.com

2. Chemical Composition Data

Single – component or mixed component : Single component product in single pack

(a) Single component

Chemical Name : Silicone Sealant
Generic Name : Silicone elastomer

(b) Ingredients of mixed component

CAS No.	%W	CHEMICAL NAME
156327-07-0	40 – 60	Silicone Polymer
1185-55-3	01 – 05	Methyltrimethoxysilane (MTMS)
68583-49-3	03 – 05	Treated Fumed Silica
77-58-7	01 – 02	Dibutyltin Silane Blend
497-34-1	25 – 30	Calcium Carbonate

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3. Characteristics of Hazardous Components

Most hazardous property	: Inhalation
Hazardous property	: Inhalation
Environment impact	: Not significant
Physical and chemical hazard	: Nil
Peculiar hazardous property	: Nil
Major Signs of hazard	: Dizziness
Classified name (based on the Japanese style)	: Not known
Outline of predicted emergency situation	: Flammability & spillage

4. Emergency Measures Acute Effects

In case of inhalation	: Over exposure to vapor may cause drowsiness. Move the victim in fresh air.
In case of contact with skin	: Remove the sealant from the skin and immediately wash with water for 15 minutes. Seek for medical attention if irritation persists.
In case of entry into eye	: Wash with plenty of water. Seek medical attention
In case of swallow	: Do not induce vomiting. Give the victim 250 – 300 ml of water to dilute the material in the stomach. If vomiting occurs naturally, lean forward to reduce the risk of aspiration. Repeat the administration of water, obtain medical attention immediately.

5. Anti – Fire Precautions

Effective extinguishing media	: Large fires – use dry chemicals, foam or water spray; Small fires – use carbon dioxide and dry chemical or water spray
Hazardous Combustion Products	: Carbon oxide traces is incompletely burned carbon compounds, Metal Oxides, Silicone Dioxide, Formaldehyde, Nitrogen oxides, Chlorine compounds, Sulfur oxides.
Prohibited extinguish media	: Nil

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6. Safety Precautions

Harmful effect to human body	: Skin sensitive
Harmful effect to environment	: Earth pollution due to the non-biodegrading property of the polymer.
Removal method	: Absorb the spillage with suitable inert material. Sweep or shovel up spillage and remove to safe space, spillage cause slippery surface. Wash the floor with plenty of water.
Prevention of second disaster	: absorbed waste maybe disposed as per local government regulations.

7. Cautions in Handling and Storage

HANDLING

Technical Measure

Store material in original container/cartridge; keep containers/ cartridges tightly close when not in use. Protect from sunlight. Use with adequate ventilation. Remove contaminated clothing immediately. Wash after handling.

Caution in handling

Keep away from direct sunlight, open flame and spark. Do not allow large quantities to enter drains or surface waters.

Important safety Instructions

Avoid contact with skin, eyes and clothing. Usage of impermeable gloves, goggles and protective clothing's are recommended. Do not take internally.

STORAGE

Proper storage condition

Store the materials in tightly closed original containers/cartridges keep away from direct flame and sunlight. Store away from oxidizing materials.

Safe container and packaging

Keep in original packing of HDPE cartridges and 200 L drums

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8. Preventive and Protective Measures Against Exposure to Hazardous Chemicals

Respiratory system protector	: Use appropriate respirator
Hand protector	: Wear appropriate gloves while handling this material
Eye protector	: Wear safety goggles with side shields
Skin and body protector	: Wear full body aprons

9. Physical and Chemical Properties

Physical conditions Appearance	: Non – sag paste
Smell	: Neutral odor
Color	: Black, Grey, White, Bronze
Density	: 1.50 ± 0.1
Shelf life	: 12 months at ambient condition

10. Stability and Reactivity

Stability	: Stable under normal condition
Reactive	: Non-reactive at RT
Prohibited condition	: High temperature above 60ºC
Prohibited material	: Date not available
Hazardous decomposition product	: Hazardous polymerization will not occur.

11. Hazardous Property – Related Information

Acute Toxicity	: No data Available
Local effect	: No data Available
Causing sensitivity	: No data Available
Chronic toxicity (long term toxicity)	: No data Available
Carcinogenicity	: ACGIH : A4-Not classifiable as a human carcinogen
Mutagenicity	: No data available
Teratogenicity	: No data Available
Reproductive toxicity	: No data Available
Others	: No data Available

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12. Environmental Impact – Related Information

Mobility	: Not mobile
Bio accumulative property	: After solvent evaporation, the left out product is solid and will not absorbed by the body.
Eco toxicity	: Not established
Toxicity to fish	: Not established
Others	: Not established

13. Cautions in Disposal

As per the local government regulations

14. Cautions in Transportation

Rail	: Unrestricted
Air	: Unrestricted
Road	: Unrestricted
Sea	: Unrestricted
Safety transportation measures a condition	
Transportation temperature	: Ambient temperature preferably less than 35ºC

15. Applicable Laws

No data available

16. Other Information

Please consult product data sheets and application information bulletin for this product.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precaution. It does not represent a guarantee of the properties of product.