

MATERIAL SAFETY DATA SHEET

DOLPHIN UPVC Adhesive

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Revision No. 2

Number of Pages: 5

1. PRODUCT AND COMPANY IDENTIFICATION

Product Details

Product Name : DOLPHIN UPVC Adhesive
 Product Code : AMI UPVC Adhesive
 Recommended Use : UPVC Pipe Adhesive

Company Details

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

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 Website : www.muqarram.com

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2. HAZARDS IDENTIFICATION

Hazard Category:

Xn : Harmful
 Xi : Irritant

Risk Phrases:

R20 : Harmful by inhalation
 R36 : Irritating to eyes
 R66 : Repeated exposure may cause skin dryness or cracking
 R67 : Vapors may cause drowsiness and dizziness

Hazard Statement:

H225 : Highly flammable liquid and vapor
 H319 : Causes serious eye irritation
 H332 : Harmful if inhaled

Safety Phrases:

S23 : Do not breathe vapor
 S24/25 : Avoid contact with skin and eyes
 S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection
 S38 : In case of insufficient ventilation, wear suitable respiratory equipment

HSNO Hazard Classification:

3.1B : Flammable liquid
 6.1D : Substances that are acutely toxic
 6.4A : Substances that are irritating to the eye

Prevention Statement:

P102 : Keep out of reach of children

P103	: Read label before use
P210	: Keep away from all sources of ignition. No smoking.
P233	: Keep container tightly closed
P240	: Ground/bond container and receiving equipment
P242	: Use on non-sparking tools
P243	: Take precautionary measures against static discharge
P261	: Avoid breathing vapor.
P264	: Wash hands. Face and all exposed skin thoroughly after handling
P271	: Use only outdoors or in well-ventilated area
P280	: Wear protective clothing, gloves, eye/face protection and suitable respirator
Class	: 3 Flammable Liquid

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS No.	%W	CHEMICAL NAME
67-64-1	10 – 30	Acetone
78-93-3	30 – 60	Methyl Ethyl Ketone (MEK)
108-94-1	10 – 30	Cyclohexane

4. FIRST AID MEASURES

In case of inhalation	: Over exposure to vapor may cause drowsiness. Move the victim in fresh air. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position. Keep at rest until fully recovered. If breathing difficulty occurs, ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped, apply artificial respiration at once. Seek immediate medical attention
In case of contact with skin	: Remove from the skin and immediately wash with water for 15 minutes. Seek for medical attention if irritation persists
In case of entry into eye	: Immediately wash with plenty of water. Seek medical attention. Vapors slightly uncomfortable.
In case of ingestion	: Rinse mouth with water. Do not induce vomiting if swallowed. 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.
Note to Physician	: Treatment is symptomatic.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media	: Dry chemical powder, carbon dioxide gas, foam, Halon, water fog
Unsuitable extinguishing Media	: Water spray or stream.
Exposure hazards	: Inhalation and dermal contact.
Protection for firefighters	: Self-contained breathing apparatus or full-face positive pressure airline mask.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	: Keep away from heat, sparks and open flame. Provide sufficient ventilation, use explosion-proof exhaust ventilation equipment or wear suitable respiratory protective equipment. Prevent contact with skin or eyes (see section 8).
Environment precautions	: Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course.
Methods for cleaning up	: Clean up with absorbent (clean rag, sand, sawdust or paper towels). Allow absorbent to dry before disposing with normal household garbage. Prevent run off into drains and waterways.

7. HANDLING AND STORAGE

Precautions for Safe Handling	: Avoid contact with skin and eye. Avoid inhalation of vapor. Keep away from ignition sources, use only electrically grounded handling equipment and ensure adequate ventilation/fume exhaust hoods. Do not eat, drink or smoke while handling. Avoid contact with skin and eyes.
Proper Storage Condition	: Store in a cool, dry, well-ventilated place and away from direct sunlight. Keep away from ignition sources and incompatible materials described in Section 10. Store away from sources of heat or ignition. Keep containers tightly closed when not in use. Store at room temperature (25°C).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures	: Ensure adequate ventilation to maintain air concentrations below exposure standards. Use with local exhaust ventilation or while wearing appropriate respirator. Do not enter confined areas where vapor may have collected. Keep containers tightly closed when not in use.
Personal Protective Equipment	: Overalls, safety shoes, safety glasses, gloves. Wear overalls, safety glasses and impervious gloves. Use of nitrile rubber gloves should be suitable for intermittent contact. Always wash hands before smoking, eating, drinking or using toilet. Wash contaminated clothing and other protective equipment before storing or re-using. If risk of inhalation exists, wear organic vapor/particulate respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	: Liquid
Color	: Clear

Properties

Odor	: Solvent odor
Specific Gravity @ 20°C	: 0.94 + 0.02
Solubility	: Insoluble in water
Relative Vapor Density (air=1)	: >1
Viscosity	: 1500 ± 500 @ 25°C
Flammability Limits	: LEL= 1.8; UEL= 11.5
Auto-ignition Temperature	: 515°C
Flash Point (°C)	: -4°C
Melting Point/Range (°C)	: Not established
Boiling Point/Rage (°C)	: Not established
pH	: Not established

10. STABILITY AND REACTIVITY

Stability	: Stable when stored and used as directed.
Prohibited condition	: Elevated temperatures, heat, sparks, open flames and sources of ignition
Incompatible material	: Oxidizing agents, strong acids, and bases, amines, ammonia
Hazardous decomposition Product	: None in normal use. When forced to burn, this product gives off oxides of carbon, hydrogen chloride and smoke.
Hazardous reactions	: No known hazardous reactions.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation	: Material may be irritant to mucous membranes and respiratory tract. Inhalation of vapor can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgment and if exposure is prolonged, unconsciousness.
Skin Contact	: Contact with skin will result in irritation.
Eye Contact	: May be an eye irritant.
Ingestion	: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
Long Term Effects	: No information available for product.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Mobility	: No data available.
Persistence / Degradability	: No data available.
Ecotoxicity	: No data available.
Other adverse effects	: No data available.

13. DISPOSAL CONSIDERATIONS

As per the local government regulations

14. TRANSPORT INFORMATION

: Adhesive, Non corrosive liquid, alkaline, inorganic

Road and Rail Transport

UN Number	: 1133
Dangerous Goods Class	: 3
Packing Group	: II
Hazchem Code	: ●3YE
Emergency Response Guide	: 14
No	
Proper Shipping Name	: ADHESIVE containing flammable liquids
Segregation Dangerous Goods	: Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidizing agents (Class 5.1), organic peroxides (Class 5.2) or radioactive substances (Class 7), however exemptions may apply.

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN Number	: 1133
Dangerous Goods Class	: 3
Packing Group	: II
Proper Shipping Name	: ADHESIVE containing flammable liquids

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN Number	: 1133
Dangerous Goods Class	: 3
Packing Group	: II
Proper Shipping Name	: ADHESIVE containing flammable liquids

15. REGULATORY INFORMATION

Precautionary Label Information : Highly Flammable, Irritant, Carc. Cat. 2

Symbols : F, Xi

Risk Phrases:

R11	: Highly flammable.
R66	: Repeated exposure may cause skin dryness or cracking
R36/37	: Irritating to eyes and respiratory system.
R67	: Vapors may cause drowsiness and dizziness

Safety Phrases:

S2	: Keep out of the reach of children
S9	: Keep container in a well-ventilated place.

S16	: Keep away from sources of ignition - No smoking
S25	: Avoid contact with eyes.
S26	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S33	: Take precautionary measures against static discharges.

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.