



DOLPHIN UPVC ADHESIVE

Prepared on : 05-11-2016 Product Name : **Dolphin UPVC Adhesive**
Revision : 00 Product Code : **AMI UPVC Adhesive**
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1. Product and Company Identification

Material Name / Product Name : **DOLPHIN UPVC ADHESIVE**
Recommended Use : UPVC Pipe Adhesive

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

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E-mail ID : info@muqarram.com

2. Chemical Composition Data

CAS No.	%W	CHEMICAL NAME
67-64-1	10 – 30	Acetone
78-93-3	30 – 60	Methyl Ethyl Ketone (MEK)
108-94-1	10 – 300	Cyclohexane

3. Characteristics of Hazardous Components

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

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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

4. Emergency Measures

Acute Effects

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.

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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.

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).

Environmental 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 or paper towels). Allow absorbent to dry before disposing with normal household garbage. Prevent run off into drains and waterways.

7. Handling and Storage

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.

Storage: 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.



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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 : Clear liquid
Smell : Solvent odor
Specific Gravity (20°C) : Approx. 0.94
Solubility : Insoluble in water
Relative Vapor Density (air=1) : >1
Vapor Pressure : 1800-2500 @ 25°C
Flammability Limits : LEL= 1.8; UEL= 11.5
Auto-ignition Temperature : 515°C
Flash Point (°C) : -4°C
Melting Point/Range (°C) : N/A
Boiling Point/Range (°C) : N/A
pH : N/A

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:



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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 information available
Ecotoxicity : No information available
Persistence and degradability : No information available

13. Cautions in Disposal

As per the local government regulations

14. Cautions in Transportation

Road and Rail Transport

UN Number : 1133
Dangerous Goods Class : 3
Packing Group : II
Hazchem Code : •3YE
Emergency Response Guide No : 14

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.

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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.



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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.