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CHEMICALS

المكرم لصناعة المواد العازلة ذ.م.م  
Al Muqarram Insulation Material Industry L.L.C.

## MATERIAL SAFETY DATA SHEET

### DOLPHIN CPVC ADHESIVE

Revision Date: 9<sup>th</sup> March 2021

Revision No. 02

Number of Pages: 04

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Details

Product Name : DOLPHIN CPVC ADHESIVE  
Product Code : AMI CPVC Adhesive  
Recommended Use : CPVC 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  
Phone Number : +971 (6) 5353796  
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Website : [www.muqarram.com](http://www.muqarram.com)

Emergency Telephone Number: 00971-549981925

### 2. HAZARDS IDENTIFICATION

#### Hazard Statement

H225 : Highly flammable liquid and vapor  
H319 : Causes serious eye irritation  
H332 : Harmful if inhaled  
H335 : May cause respiratory irritation  
H336 : May cause drowsiness or dizziness  
H351 : Suspected of causing cancer  
EUH019 : May form explosive peroxides  
EUH066 : Repeated exposure may cause skin dryness or cracking

#### Prevention Statement

P210 : Keep away from all sources of ignition. No smoking.  
P261 : Avoid breathing vapor  
P280 : Wear protective clothing, gloves, eye/face protection and suitable respirator  
P337+P313 : Get medical attention  
P403+P233 : Store in a well-ventilated place. Keep container tightly closed.  
P501 : Dispose of contents/container in accordance with local regulation

### 3. COMPOSITION/INFORMATION ON INGREDIENT

CAS No.	%W	CHEMICAL NAME
109-99-9	30 – 60	Tetrahydrofuran (THF)
78-93-3	5 – 25	Methyl Ethyl Ketone (MEK)
108-94-1	5 – 20	Cyclohexane

#### 4. FIRST AID MEASURES

<b>Inhalation</b>	: 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
<b>Skin Contact</b>	: Remove from the skin and immediately wash with water for 15 minutes. Seek for medical attention if irritation persists
<b>Eye Contact</b>	: Immediately wash with plenty of water. Seek medical attention. Vapors slightly uncomfortable.
<b>Ingestion</b>	: 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.
<b>Note to Physician</b>	: Treatment is symptomatic.

#### 5. FIRE FIGHTING MEASURES

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

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	: 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).
<b>Environment precautions</b>	: Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course.
<b>Methods for cleaning up</b>	: 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

<b>Precautions for Safe Handling</b>	: 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.
<b>Proper Storage Condition</b>	: 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

<b>Engineering Measures</b>	: 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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<b>Personal Protective Equipment</b>	: 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.
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	
<b>Form</b>	: Liquid
<b>Color</b>	: Orange
<b>Properties</b>	
<b>Odor</b>	: Solvent odor
<b>Specific Gravity @ 25°C</b>	: 0.96 ± 0.02
<b>Viscosity</b>	: Category 2
<b>Solid (%)</b>	: LEL= 1.1 based on cyclohexane; UEL= 11.8 based on THF
<b>Boiling Point (°C)</b>	: 321°C based on THF
<b>Melting Point</b>	: -20°C based on THF
<b>Evaporation Rate</b>	: -108.5°C based on THF
<b>Flash Point</b>	: + 66°C based on THF
<b>Auto Ignition Temperature</b>	: Not established
<b>Vapor Pressure</b>	: Not established
<b>Vapor Density</b>	: 321°C based on THF

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	: Stable when stored and used as directed.
<b>Prohibited condition</b>	: Elevated temperatures, heat, sparks, open flames and sources of ignition
<b>Incompatible material</b>	: Oxidizing agents, strong acids, and bases, amines, ammonia
<b>Hazardous decomposition Product</b>	: None in normal use. When forced to burn, this product gives off oxides of carbon, hydrogen chloride and smoke.
<b>Hazardous reactions</b>	: 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

<b>Inhalation</b>	: 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.
<b>Skin Contact</b>	: Contact with skin will result in irritation.
<b>Eye Contact</b>	: May be an eye irritant.
<b>Ingestion</b>	: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
<b>Long Term Effects</b>	: No information available for product.

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

<b>Mobility</b>	: None in normal use. When forced to burn, this product gives off oxides of carbon, hydrogen chloride and smoke.
<b>Bioaccumulation</b>	: Minimal to none.



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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

#### Road & 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.

#### 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.



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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 regarding 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.