

MATERIAL SAFETY DATA SHEET

DOLPHIN CPVC Adhesive

Revision Date : 12 Nov 2019

Revision No. 1

Number of Pages : 4

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.
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Sharjah, United Arab Emirates

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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 INGREDIENTS

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

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 : Orange

Properties

Odor : Solvent odor
Specific Gravity @ 25°C : 0.96 ± 0.02
Flammability : Category 2
Flammability Limits : LEL= 1.1 based on cyclohexane; UEL= 11.8 based on THF
Auto-ignition Temperature : 321°C based on THF
Flash Point (°C) : -20°C based on THF
Melting Point/Range (°C) : -108.5°C based on THF
Boiling Point/Rage (°C) : + 66°C based on THF
pH : Not established
TVOC : 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 : None in normal use. When forced to burn, this product gives off oxides of carbon, hydrogen chloride and smoke.
Product : 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 : None in normal use. When forced to burn, this product gives off oxides of carbon, hydrogen chloride and smoke.
Bioaccumulation : Minimal to none.
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.