

DOLPHIN PIR Contact Adhesive

Prepared on : 14-10-2015
Revision : 00
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Product Name : **Dolphin PIR Contact Adhesive**
Product Code : **Dolphin PIR Contact Adhesive**

1. Material Name and Company Data

Material Name / Product Name : **Dolphin PIR Contact Adhesive**
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. Composition / Data on Ingredients

| COMPONENTS | CAS No. | PERCENT |
|----------------------|------------|---------|
| Ester Resin | 8050-31-5 | 20-30 |
| Hexane | 110-54-3 | 40-60 |
| Thermoplastic Rubber | 9006-04-06 | 10-15 |

3. Hazard Identification

Information pertaining to particular dangers for man and environment:

- 3.1. Extremely Flammable
- 3.2. Can cause eye irritation.
- 3.3. Can cause skin irritation.
- 3.4. Moderate Respiratory tract irritant.
- 3.5. Harmful if swallowed.
- 3.6. Inhalation of vapors may cause loss of feeling and weakness in the hands and feet and loss of manual dexterity. Inhalation of high concentrations may results in central nervous system effects such as dizziness, weakness, fatigue, nausea, headache, and lack of coordination.

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4. First Aid Measures

- Inhalation : Move to fresh air. Restore breathing, if necessary. Call a physician if symptoms persist.
- Skin Contact : Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
- Eye Contact : Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.
- Swallowing : Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Do not give anything by mouth to an unconscious person. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

5. Accidental Release Measures

- Personal Precautions : Wear personal protective equipment; Ensure adequate ventilation.
- Environment precautions : Do not discharge into drains / surface water / groundwater.
- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, sawdust). Collect spilled materials in suitable containers and dispose of according to Section 13.

6. Firefighting Measures

Media suitable for extinguishing:

Use water spray, foam, dry chemical or carbon dioxide.

Special exposure hazards arising from the substance or preparation itself, its combustion product, or released gases:

In the event of fire the following can be released: Smoke, irritating vapor, Carbon Monoxide (CO) and Carbon Dioxide (CO₂).

Special protective equipment for firefighters:

Wear self-contained breathing apparatus and protective suit.

Further information:

In the event of fire, vapor are heavier than air and can travel to ignition source and flash back.

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7. Handling and Storage

Handling : Mildly irritating material. Avoid unnecessary exposure. Keep away from heat, sparks and flame. Wash thoroughly after handling. Keep container closed. Emptied container retains vapor and product residue. Observe precautions until container is cleaned.
Drum of this material should be grounded when pouring.
Do not cut or weld on or near this container.

Safe Handling Advice : Avoid contact with skin and eyes.

Storage : Store in a cool, dry, ventilated location. Keep away from heat, sparks, flame and other sources of ignition. Keep container closed.

8. Controls / Personal Protection

Occupational exposure controls : Avoid contact with skin and eyes. Do not breathe vapors. Avoid repeated exposure. Wear suitable protective equipment. Hold eye wash fountain available. Hold emergency shower available. Remove soiled or soaked clothing immediately. Clean skin thoroughly after work.

At work do not eat, drink, smoke or take drugs. Keep away from food, drink and animal feeding stuffs. Keep and wash working clothes separately.

Hand protection : Latex gloves.

Eye protection : Safety goggles.

Skin and body protection : Clothing as usual in the chemical industry.

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9. Physical and Chemical properties

General Information:

Appearance : Liquid
Color : Yellowish
Odor : Solvent

Important health safety and environmental information:

Flash Point : <10°C
Auto Ignition Temperature : Not established
Vapor Pressure : Not established
Vapor Density : Not established

Specific Gravity : 0.56 – 1.16
Viscosity : 300 - 500 Cps (Brookfield RVT-DVII:
Spindle 3/20 rpm/25°C)
Solid (%) : 40-46
Boiling Point (°C) : Not established
Freezing/Melting Point (°C) : Not established
Evaporation Rate : Not established

10. Stability and Reactivity

Condition to avoid : Stable under normal condition
Material to avoid : Keep away from heat sources
Hazardous decomposition products : Upon combustion Carbon Monoxide and Carbon Dioxide are formed

11. Toxicological Information

CHEMICAL NAME LD50/LC50

Hexane, (rat) Acute oral toxicity (LD50) : 25000 mg/kg
Acute toxicity of the gas (LC50) : 48000 mg/kg (4hr)
Ester Resin, (rat) LD50 - >2000 mg/kg
LC50 – 2500 mg/kg (90d)

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12. Ecological Information

Eco-toxicity : No data available.
Mobility : No data available
Persistence / Degradability : No data available.
Bio-accumulative potential : No data available.
Other adverse effects : No data available.

13. Disposal Consideration

Product (Recommendation):

This product meets the definition of hazardous waste. It is ignitable waste class D001.
Disposal via incineration is recommended.

Used packaging (Recommendation):

Wash empty packaging. They can be reuse after thorough and proper cleaning.

Cleaning agent (Recommendation):

Solvent

14. Transportation Information

Dangerous Goods Class : 3
Proper Shipping Name : Adhesive, containing flammable liquid
Packing Group : III
Hazchem Code : 3 [Y]
EPG No. : 3C1
UN No. : 1133

15. Other Information

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