

SAFETY DATA SHEET

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Issued: 7/22/2005
Revision No: 1

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Company name:

Mercury Marine
W6250 W Pioneer Rd.
Fond du Lac, WI 54935

Product name: PVC Glue/Hardener

Use / description of product: Adhesive
Part Number: 92-892753

Emergency ChemTrec: 800-424-9300 (US Only)
Information: (920) 929-5418

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: ETHYL ACETATE 10-30%

EINECS: 205-500-4 CAS: 141-78-6
[F] R11; [Xi] R36; [Xi] R66; [-] R67

• ACETONE 10-30%

EINECS: 200-662-2 CAS: 67-64-1
[F] R11; [Xi] R36; [Xi] R66; [-] R67

• ETHYL METHYL KETONE 30-50%

EINECS: 201-159-0 CAS: 78-93-3
[F] R11; [Xi] R36; [Xi] R66; [-] R67

3. HAZARDS IDENTIFICATION

Main hazards: Highly flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

Other hazards: In use, may form flammable / explosive vapour-air mixture.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove from skin with paper or towel. Wash effected area thoroughly with soap and water. Seek medical advice if symptoms persist.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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5. FIRE-FIGHTING MEASURES

- Extinguishing media:** Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.
- Exposure hazards:** Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.
- Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.
- Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.
- Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

7. HANDLING AND STORAGE

- Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.
- Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.
- Suitable packaging:** Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure limits

WEL (8 hr exposure limit): 200ppm

WEL (15 min exposure limit): 400ppm

Hazardous ingredients: ETHYL ACETATE

WEL (8 hr exposure limit): 200 ppm WEL (15 min exposure limit): 400 ppm

• ACETONE

WEL (8 hr exposure limit): 1210 mg/m³ WEL (15 min exposure limit): 3620 mg/m³

• ETHYL METHYL KETONE

WEL (8 hr exposure limit): 600 mg/m³ WEL (15 min exposure limit): 899 mg/m³

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: If exposure levels are likely to be exceeded, use a face mask fitted with an organic AXP3 filter for short term low level exposures. For long term or high level exposures, or when spraying, compressed airline breathing apparatus should be used.

Hand protection: Avoid skin contact. For repeated exposure use Viton or 4H chemical gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Colourless

Odour: Characteristic odour

Evaporation rate: Fast

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble

Viscosity: Viscous

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Boiling point/range°C: 56
Flammability limits %: lower: 1.8
upper: 13
Flash point°C: -19
Autoflammability°C: 460
Relative density: 0.86

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions. Stable at room temperature.
Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.
Materials to avoid: Strong oxidising agents. Strong acids.
Haz. decomp. products: In combustion emits toxic fumes

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: ETHYL ACETATE
ORL MUS LD50 4100 mg/kg
ORL RAT LD50 5620 mg/kg
SCU RAT LDLO 5 gm/kg
• ACETONE
IVN RAT LD50 5500 mg/kg
ORL MUS LD50 3 gm/kg
ORL RAT LD50 5800 mg/kg
Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Volatile.
Persistence and degradability: Biodegradable in part only.
Bioaccumulative potential: No data available.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Arrange for disposal by a licenced waste disposal company
Disposal of packaging: Arrange for disposal by a licenced waste disposal company
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

UN no: 1133
Packing group: II
Shipping name: ADHESIVES
Labelling: 3
ADR Class: 3
Classification code: F1
Hazard ID no: 33

IMDG / IMO

UN no: 1133
Packing group: II
Marine pollutant: .
Class: 3
EmS: F-E,S-D
Labelling: 3

IATA / ICAO

UN no: 1133
Packing group: II
Labelling: 3
Class: 3
Packing instructions: 305(P&CA); 307(CAO)

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15. REGULATORY INFORMATION

Hazard symbols: Highly flammable.
Irritant.

Risk phrases: R11: Highly flammable.
R36: Irritating to eyes.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S2: Keep out of the reach of children.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S3/9/49: Keep only in the original container in a cool, well-ventilated place.
S33: Take precautionary measures against static discharges.
S16: Keep away from sources of ignition - No smoking.
S23: Do not breathe vapour.
S60: This material and its container must be disposed of as hazardous waste.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Risk phrases used in s.2: R11: Highly flammable.
R36: Irritating to eyes.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.

Manufactured by: Apollo Chemicals Limited

Company name: POLYMARINE LTD. The Round House, Ferry Farm Road, Llandudno Junction, North Wales LL31 9SG

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.
This company shall not be held liable for any damage resulting from handling or from contact with the above product.