



SAFETY DATA SHEET
3245 Solvent for Hypalon Fabrics

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

Product name: Polymarine 3245 Solvent for Hypalon Fabrics
Use of substance / preparation: Solvent

Company name: POLYMARINE LTD
Chester House,
The Dingle,
Colwyn Bay,
LL29 7SN.
United Kingdom

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2. HAZARDS IDENTIFICATION

Main hazards: Highly flammable. Irritating to eyes and skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of harm to the unborn child. Harmful: may cause lung damage if swallowed. 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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

- Hazardous ingredients:** MIXED ALIPHATIC HYDROCARBONS 30-50%
[F] R11; [Xi] R38; [N] R51/53; [Xn] R65; [-] R67
- TOLUENE 30-50%
EINECS: 203-625-9 CAS: 108-88-3
[F] R11; [Xi] R38; [Xn] R48/20; [Xn] R63; [Xn] R65; [-] R67
 - ETHYL METHYL KETONE 30-50%
EINECS: 201-159-0 CAS: 78-93-3
[F] R11; [Xi] R36; [-] R66; [-] R67

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.

Ingestion: Nausea and stomach pain may occur. There may be vomiting.

Inhalation: Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. Drowsiness or mental confusion may occur.

4. FIRST AID MEASURES (ACTION)

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Seek medical help if symptoms persist
- Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- Ingestion:** Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Transfer to hospital as soon as possible.

5. FIRE-FIGHTING MEASURES

- Extinguishing media:** Carbon dioxide. Alcohol or polymer foam. Dry chemical powder.
- Exposure hazards:** Highly flammable. In combustion emits toxic fumes.
- 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:** Eliminate all sources of ignition. 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.
- Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.
- Clean-up procedures:** Absorb into dry earth or sand. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

- Handling requirements:** Ensure there is sufficient ventilation of the area. Smoking is forbidden. Avoid direct contact with the substance. Use non-sparking tools.
- Storage conditions:** Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Workplace exposure limits**

WEL (8 hr TWA): 191 mg/m³

WEL (15 min STEL): 574 mg/m³

Hazardous ingredients: TOLUENE

WEL (8 hr TWA): 191 mg/m³ WEL (15 min STEL): 384 mg/m³

- ETHYL METHYL KETONE

WEL (8 hr TWA): 600 mg/m³ WEL (15 min STEL): 899 mg/m³

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

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment. If exposure levels are

likely to be exceeded, use a full face mask fitted with an organic AXP3 filter for short term low level exposures. For long term or high level exposures, compressed airline breathing apparatus should be used.

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

Eye protection: Safety goggles.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC.

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: Non-viscous

Boiling point/range°C: 60

Flammability limits %: lower: 0.6

upper: 11.5

Flash point°C: -35

Autoflammability°C: 200

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Sources of ignition.

Materials to avoid: Oxidising agents.

Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: TOLUENE
IVN RAT LD50 1960 mg/kg
ORL MUS LD50 2 gm/kg
ORL RAT LD50 6900 mg/kg

12. ECOLOGICAL INFORMATION

Mobility: Volatile.

Persistence and degradability: Not biodegradable.

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: 1993	ADR Class: 3
Packing group: II	Classification code: F1
Shipping name: FLAMMABLE LIQUID, N.O.S.	
Labelling: 3+EHS	Hazard ID no: 33



IMDG / IMO

UN no: 1993	Class: 3
Packing group: II	EmS: F-E,S-E*
Marine pollutant: NO	
Labelling: 3+EHS	

IATA / ICAO

UN no: 1993	Class: 3
Packing group: II	
Packing instructions: 305(P&CA); 307(CAO)	
Labelling: 3+EHS	

15. REGULATORY INFORMATION

Hazard symbols: Highly flammable.
Dangerous for the environment.
Harmful.



Risk phrases: R11: Highly flammable.
R36/38: Irritating to eyes and skin.
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

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3245 Solvent for Hypalon Fabrics

environment.

R63: Possible risk of harm to the unborn child.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S9: Keep container in a well-ventilated place.

S23: Do not breathe vapour.

S33: Take precautionary measures against static discharges.

S24/25: Avoid contact with skin and eyes.

S36/37: Wear suitable protective clothing and gloves.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Precautionary phrases: Restricted to professional users.

Haz. ingredients (label): MIXED ALIPHATIC HYDROCARBONS; TOLUENE; ETHYL METHYL KETONE

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.3: R11: Highly flammable.
R38: Irritating to skin.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65: Harmful: may cause lung damage if swallowed.
R67: Vapours may cause drowsiness and dizziness.
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63: Possible risk of harm to the unborn child.
R36: Irritating to eyes.
R66: Repeated exposure may cause skin dryness or cracking.

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.