

SAFETY DATA SHEET

1. Identification of the Substance / Preparation and of the Company Undertaking

Product Name: SpECTite HP600

Company: Speciality Engineering Chemicals

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2. Composition / Information on Ingredients

Composition : high polymer waterproof membrane.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Toluene-2,4-Di-isocyanate	T, Xi	R40/R36/R42/R43 R37/R38/R52/R53	584-84-9	<1%
Mixture of aromatic hydrocarbons	Xn. Xi, N	R45/R46/R60/R61 R65/R36/R38/R51/R53		30-60%

3. Hazards Identification

Harmful by inhalation.
May cause sensitisation by inhalation.
May cause heritable genetic damage.
Irritating to eyes and skin,
May cause harm to unborn child.
Toxic to aquatic organisms.
May cause long-term adverse effects in the aquatic environment.



4. First Aid Measures

Eyes: Irrigate immediately with copious quantities of water for 15 minutes. Obtain medical attention if irritation persists.

Skin: Wash immediately with copious quantities of soap and water. Remove contaminated clothing immediately. Obtain medical advice if skin disorders develop.

Inhalation: Remove from exposure, rest and keep warm and obtain medical attention urgently.

Ingestion: Wash out mouth with water. Do not induce vomiting. Obtain medical attention.

5. Fire Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, Dry powder, foam or water fog - do not use water jets.

Special Exposure Hazards: Vapours may ignite.

Special Protective Equipment: Fire-fighters should wear self-contained breathing apparatus.

6. Accidental Release Measures

After spillage/leakage/gas leaking:

Do not touch spilled material. Stop leak if possible. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Wash thoroughly after dealing with a spillage. Absorb in vermiculite, dry sand or earth and place into containers.

7. Handling and Storage

Handling: Avoid skin and eye contact. Avoid heat, sparks and open flame. Provide good ventilation

Storage: Store in cool dry area. Keep in original container and closed tightly.

8. Exposure Controls / Personal Protection

Occupational Exposure Limits:

Substance	8 Hours TWA - Long Term		Short Term - 15 mins.	
	ppm	mg/m ³	ppm	mgm ⁻³
Toluene-2,4-Diisocyanate		0.02mg/m ³		0.07mg/m ³

Respiratory Protection: In case of insufficient ventilation, wear suitable ORI-NASAL respirator.

Eye Protection: Goggles or face protection.

Hand Protection: Rubber, neoprene or PVC gloves.

Skin Protection: Wear overalls and closed footwear.

9. Physical and Chemical Properties

Appearance:	Viscous Liquid
Colour:	Black
Odour:	Tar
Relative density:	1.20 @ 20 °C
Boiling Point/Range (°C):	Not applicable.
Flash Point (closed °C):	65
Auto Ignition Temperature(°C):	400
Solubility:	Insoluble in water. Hardens in contact with water. Soluble in organic solvents.

10. Stability and Reactivity

Thermal Decomposition:

Conditions to avoid: Avoid contact with water. Reacts with acid, alkalines and amines and generates heat.

Materials to avoid: Strong acids, alkalis, amines.

Hazardous decomposition products: Thermal decomposition:-Flammable/irritating gases, vapours, fumes of HC, CO₂, CO and Nitrous gases.

11. Toxicological Information

Health Effects

On eyes: Irritation.
On skin: Irritation. Skin cancer.
By inhalation: Irritating to respiratory system.

12. Ecological Information

Environmental Assessment: When used and disposed of as intended, no adverse environmental effects are foreseen.
Mobility: Rapidly cures on exposure to atmospheric moisture to form an inert solid.
Bioaccumulative Potential: Not determined.

13. Disposal Considerations

Disposal must be in accordance with local and national legislation.

Unused Product: Dispose of through an authorised waste contractor to a licence site.
Disposal of Packaging: According to Local regulations. In compliance with duty of care.

14. Transport Information

Proper shipping name: Environmentally hazardous substance, liquid, N.O.S.
UN Number: 3082
IMO Class: 9
IATA/ICAO Class: 9
ADR Class: 9
Subsidiary risk: -
Packaging group: III
Label:



Additional information

ADR-HIN: 90
IMDG-EMS: F-A- S-F Marine Pollutant: Yes
IMO: T1

15. Regulatory Information

EU Regulations: The product is labeled as follows, in accordance with local regulations.

Hazard Symbol(s): Xn, Xi, N

Contains: Toluene-2,4-Diisocyanate

Risk Phrases

R20: Harmful by inhalation
R42: May cause sensitisation by inhalation
R45: May cause cancer
R46: May cause heritable genetic damage
R36/38: Irritating to eyes/skin
R60: May impair fertility
R61: May cause harm to the unborn child
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety Phrases

S23: Do not breathe vapours/spray
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S38: In case of insufficient ventilation, wear suitable respiratory equipment
S45: In case of accident or if you feel unwell, seek medical advice immediately
S53: Avoid exposure - obtain special instructions before use
S24/25: Avoid contact with skin and eyes
S37/39: Wear suitable gloves and eyes/face protection
S57: Use appropriate container must be disposed of as hazardous waste
S60: This material and its container must be disposed of as hazardous waste
S61: Avoid release to the environment. Refer to special instructions/safety data sheets
P4: Contains isocyanates. See information supplied by the manufacturer
P11: Restricted to professional users

EC Directives: Dangerous Substance Directives, 67/548/EEC and adaptations.
Dangerous Preparations Directive, 88/379/EEC.
Safety Data Sheets Directive, 91/155/EEC.

Statutory Instruments: Chemicals (Hazards Information and Packaging) Regs. 1993 (SI 1746)
Control of Substances Hazardous to Health Regs. 1988 (SI 1657).
Health and Safety Work, etc. Act 1974.
Environmental Protection Act 1990.

Codes of Practice: Waste Management. The Duty of Care.

16. Other Information

Issue: 3
Date of issue: 30-Nov-2009
Prepared by: SpEC Technical Department

No liability accepted for any injury, loss, damage or cost arising directly or indirectly from the use of any information contained within this MSDS since the customer's treatment of the product is necessarily out of our control.

The data given above is based upon current knowledge and experience. This safety sheet is intended to describe our products in terms of their safety requirements. It does not guarantee the properties of the products described.