

Material Safety Data Sheet

TUFFSTUFF® Polyurethane Trim Adhesive

Tuffstuff® Polyurethane Trim Adhesive/MSDS/Jan15

1. Identification of the substance/Preparation and Company

Product Name and Code: Tuffstuff® Polyurethane Trim Adhesive

Emergency number (office hours): 01977 680 250

Company: Tuff Waterproofing Limited, Unit 5, First Avenue, Sherburn in Elmet, LS25 6PD

2. Composition and information on ingredients

Dangerous ingredients	Cas Number	% - Weight	Symbols	r-phrases
Calcium oxide	1305-78-8	1-2.5%	xi	37/38-41
Solvent naptha light aromatic	64742-95-6	2.5-10%	xn;n	10-37-51/53-65-66-67

3. Hazards Identification

Hazards for health: Xn; may cause sensitisation by inhalation

Hazards for environment: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First Aid Measures

General: In case of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Eye Contact: Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

Ingestion: If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting.

Inhalation: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

Skin contact: Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleaner. DO NOT use solvents or thinners.

5. Fire-Fighting Measures

Recommended extinguishing media: Water spray, CO2, powders and foam.

Not to be used: Water jet.

Particularities: Use an appropriate breathing apparatus. Cool closed containers exposed to fire with water.

6. Accidental Release Measures

Recommended extinguishing media: Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers or sewage inform appropriate authorities in accordance with local regulations.

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Clean up procedure:

Collect mechanically the preparation and place in container. One possible decontaminant comprises: water/ethanol or IPA/Ammonia solution (45/50/5 volume).

Personal precautions:

Wear appropriate clothing/equipment.

7. Handling and Storage

Handling: Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is used. Avoid skin and eye contact and inhalation of vapours. Comply with the Health and Safety at work laws.

Storage: Store in a dry, well-ventilated area. Between +5 and +25°C and place away from sources of heat and direct sunlight. Keep away from any oxidising agent, from strongly acid materials as well as amines, alcohol and water. No smoking. Prevent unauthorised access.

8. Exposure Limits

Names	VME (8H/J)		VLE (15mm)	
	ppm	mg/m ³	ppm	mg/m ³
Solvent naptha light aromatic	19	100		
Diphenylmethane 4.4 disocyanate	0.01	0.1	0.02	0.2

9. Physical and Chemical Properties

Physical state:	Paste	Flash point:	61°C
Colour:	Grey	Solubility in water:	No reaction
Odour:		Solubility in organic solvents:	Partly
Density:	1.15a 1.19g/ml	VOC contents:	7 to 8% weight

10. Stability and Reactivity

The preparation is stable under recommended storage and handling conditions.

Hazards decomposition products: During polymerisation: CO₂ which in closed containers can result in pressurisation. In case of fire isocyanates, carbon monoxide, smoke, nitrogen oxides, hydrogen chloride, hydrogen cyanide, sulphur dioxide.

11. Toxicological Information

Information Product.

Based on the properties of the isocyanate components, this preparation may cause acute irritation and sensitisation of the respiratory system leading to an asthmatic condition, wheeziness and tightness of the chest. Sensitised persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Repeated or prolonged contact with the preparation may cause non allergic contact dermatitis and absorption through the skin. Contamination of the eye with the paste may cause irritation and irreversible damage.

Diphenylmethane 4.4' disocyanate

Acute oral LD50 rat (mg/kg)

Acute dermal LD50 rabbit (mg/kg)

Acute inhalation LC50 rat (mg/1/4h)

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12. Ecological Information

The preparation has been assessed following the conventional method of the dangerous preparations directive (1999/45EC) and classified for ecotoxicological hazards accordingly. This product should not be allowed to enter drains or water courses.

13. Disposal Considerations

In accordance with local legislation

14. Transport Information

Transport only in accordance with ADR for road, RID for rail, IMDG for sea and LACO/LATA for air transport. Exempted of transport classification

15. Regulatory Information

In accordance with 67/548/cf rt 99/45/ce

Danger classification: xn harmful

Contains: Diphenylmethane 4.4' diisocyanate

Phase R R42/43: may cause sensitisation by inhalation

R52/53: harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Phase R S2: Keep out of reach of children.

S23: Do not breathe vapours.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

S63: In case of accident by inhalation remove casualty to fresh air and keep at rest.

Contains isocyanates – See information supplied by the manufacturer. This information is supplied in the present safety data sheet.