



SAFETY DATA SHEET

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Pumaflex UVR (Hardener Component)

Revision 0
Revision date

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name Pumaflex UVR (Hardener Component)
Company Resdev Ltd
Pumafloor House
Ainleys Industrial Estate
Elland
HX5 9JP
info@resdev.co.uk
www.resdev.co.uk
Telephone +44 (0)1422 379131
Fax +44 (0)1422 370943

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
Hexamethylene-di-isocyanate	0-0.5%	822-06-0	212-485-8	T; R23 Xi; R36/37/38 R42/43
aliphatic polyisocyanate	90-100%	28182-81-2		Xi;R43

3. HAZARDS IDENTIFICATION

Main hazards May cause sensitisation by skin contact.

4. FIRST AID MEASURES

Skin contact Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Seek medical attention if irritation or symptoms persist.
Eye contact Rinse immediately with plenty of water for 15 minutes holding the eyelids open.

5. FIRE FIGHTING MEASURES

Extinguishing media Carbon dioxide (CO₂) Dry chemical. Alcohol resistant foam.
Fire hazards Burning produces irritating, toxic and obnoxious fumes.
Protective equipment Wear: Self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Evacuate personnel to a safe area. Wear suitable protective equipment.
Environmental precautions Prevent further spillage if safe. Do not allow product to enter drains. Advise local authorities if large spills cannot be contained.
Clean up methods Remove mechanically; cover the remainder with wet, absorbent material (e.g. sawdust, chemical binder based on calcium silicate hydrate, sand). After approximately one hour transfer to waste container and do not seal (evolution of CO₂!).

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7. HANDLING AND STORAGE

Handling	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
Storage	Store at temperatures between 10 °C and 30 °C. Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Keep away from water.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	Ensure adequate ventilation of the working area.
Occupational exposure controls	Keep away from food, drink and animal feedingstuffs.
Respiratory protection	Wear suitable respiratory equipment when necessary. In case of hypersensitivity of the respiratory tract (e.g. asthmatics and those who suffer from chronic bronchitis) it is unadvisable to work with the product.
Hand protection	Butyl rubber gloves.
Eye protection	Approved safety goggles.
Protective equipment	Wash all contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Colour	Colourless.
Odour	Slight.
Flash point	160°C
Viscosity	@ 1200 mPa.s @ 23°C

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to avoid	Heating produces hazardous fumes.
Materials to avoid	Amines.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	ORL RAT LD50 > 5000 mg/kg.
Corrosivity	May cause irritation to eyes. May cause irritation to skin. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Repeated or prolonged exposure	Prolonged or repeated exposure may cause irritation to skin and mucous membranes.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No data is available on this product.
Degradability	Not readily biodegradable.
Further information	The product reacts with water at the interface forming CO ₂ and a solid insoluble product with high melting point (polyurea). This reaction is accelerated by surfactants (e.g. detergents) or by water-soluble solvents.

13. DISPOSAL CONSIDERATIONS

General information	Dispose of as special waste in compliance with local and national regulations.
Disposal of packaging	Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.

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14. TRANSPORT INFORMATION

15. REGULATORY INFORMATION

Labelling The product is classified in accordance with 67/548/EEC.

Symbols Xi - Irritant



Risk phrases R43 - May cause sensitisation by skin contact.

Safety phrases S24 - Avoid contact with skin.

S37 - Wear suitable gloves.

16. OTHER INFORMATION

Text of risk phrases in R23 - Toxic by inhalation.

Section 2 R36/37/38 - Irritating to eyes, respiratory system and skin.

R42/43 - May cause sensitisation by inhalation and skin contact.

R43 - May cause sensitisation by skin contact.

Further information The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.