



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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Deckmaster HFS UVR Hardener

Revision 0

Revision date 2013-10-23

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Deckmaster HFS UVR Hardener

1.3. Details of the supplier of the safety data sheet

Company	Resdev Ltd
Address	Pumaflor House Ainleys Industrial Estate Elland HX5 9JP
Web	www.resdev.co.uk
Telephone	+44 (0)1422 379131
Fax	+44 (0)1422 370943
Email	info@resdev.co.uk
Email address of the competent person	info@resdev.co.uk

1.4. Emergency telephone number


Emergency telephone number +44 (0)1422 379131
9.00am to 5.00pm Mon - Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	Xi; R43 Symbols: Xi: Irritant.
Main hazards	May cause sensitisation by skin contact.

2.2. Label elements

Symbols	Xi: Irritant. 
Risk phrases	R43 - May cause sensitisation by skin contact.
Safety phrases	S24 - Avoid contact with skin. S37 - Wear suitable gloves.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
aliphatic polyisocyanate		28182-81-2			80 - 90%	
Hexamethylene-di-isocyanate	615-011-00-1	822-06-0	212-485-8			T; R23 Xi; R36/37/38 R42/43

Description

Three Pack Polyurethane Floor Coating.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Take the person into the fresh air and keep him warm, let him rest, if there is difficulty in breathing, medical advice is required.
Eye contact	Hold the eyes open and rinse with preferably lukewarm water for a sufficiently long period of time (at least 10 minutes). Contact an ophthalmologist.
Skin contact	In case of skin contact wash affected areas thoroughly with soap and plenty of water. Consult a doctor in the event of a skin reaction.
Ingestion	DO NOT induce the patient to vomit, medical advice is required.

General information

Take off all contaminated clothing immediately.

SECTION 5: Firefighting measures

Further information

Suitable extinguishing media	Carbon dioxide (CO ₂), Foam, extinguishing powder, in cases of larger fires, water spray should be used.
Other Information	Burning release carbon monoxide, carbon dioxide, oxides of nitrogen, isocyanate vapors and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes. During fire-fighting respirator with independent air-supply and airtight garment is required. Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.
Unsuitable Extinguishing Media	High volume water jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on protective equipment (see chapter 8). Ensure adequate ventilation/exhaust extraction. Keep unauthorized persons away.

6.2. Environmental precautions

Do not allow to escape into waterways, waste water or soil.

6.3. Methods and material for containment and cleaning up

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!).

Further information

Additional advice

For further disposal measures see chapter 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Provide sufficient air exchange and/or exhaust in work rooms. Exhaust ventilation necessary if

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7.1. Precautions for safe handling

	<p>product is sprayed.</p> <p>The threshold limit values noted in chapter 8 must be monitored. In all areas where isocyanate aerosols and/or vapor concentrations are produced in elevated concentrations, exhaust ventilation must be provided in such a way that the workplace exposure limits (WEL) is not exceeded. The air should be drawn away from the personnel handling the product. The personal protective measures described in Section 8 must be observed. The precautions required in the handling of this product must be taken. Avoid contact with skin and eyes and the inhalation of vapor.</p>
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Further information

Storage Precautions	keep container dry and tightly closed in a cool and well ventilated place. Further information on the storage conditions which must be observed to preserve quality can be found in our product information sheet.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Hexamethylene-di-isocyanate	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m3: 0.02
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3:

8.2. Exposure controls

Eye / face protection	Wear eye/face protection.
Skin protection - Handprotection	Suitable materials for safety gloves-DIN EN 374-3, butyl rubber - IIR; thickness ≥ 0.5 mm; breakthrough time ≥ 480 min.
Skin protection - Other	Wear suitable protective clothing.
Respiratory protection	Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter is recommended. In case of hypersensitivity of the respiratory tract (eg. asthmatics and those who suffer from chronic bronchitis) it is inadvisable to work with the product.

Further information

Hygiene Measures	Keep away from foodstuffs, drinks and tobacco. Wash hands before break and at the end of workday. keep working clothes separately. Take off all contaminated clothing immediately.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Colourless to pale yellow
Odour	Nearly Odourless
Flash point	158
Solubility	Immiscible in water

SECTION 10: Stability and reactivity

10.6. Hazardous decomposition products

	No hazardous decomposition products when stored and handled correctly.
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Further information

Hazardous reactions	Exothermic reaction with amines and alcohols; reacts slowly with water forming CO ₂ , in closed containers risk of burning owing to increase of pressure.
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SECTION 11: Toxicological information

11.1.4. Toxicological Information

	No data available
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SECTION 12: Ecological information**12.1. Toxicity**

	No data available
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Further information

Comment	Do not allow to escape into waterways, wastewater or soil.
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SECTION 13: Disposal considerations**Disposal methods**

	Dispose of in accordance with local and national regulations. After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free). Once the product residues adhering to the walls of the containers have been rendered harmless, the product and hazard labels must be invalidated. These containers can be returned for recycling to the appropriate centres set up within the framework of the existing take-back scheme of the chemical industry. Containers must be recycled in compliance with national legislation and environmental regulations.
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SECTION 14: Transport information**ADR/RID**

	The product is not classified as dangerous for carriage.
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IMDG

	The product is not classified as dangerous for carriage.
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IATA

	The product is not classified as dangerous for carriage.
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Further information

	Not Dangerous cargo. Keep dry. Slight smell. Keep away from foodstuffs, acids and alkalis.
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SECTION 15: Regulatory information**SECTION 16: Other information****Other information**

	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text.
Text of risk phrases in Section 3	R23 - Toxic by inhalation. 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.