

DESIGNER



CONCRETE COATINGS

MATERIAL SAFETY DATA SHEET

MSDS Liquid RA

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LIQUID RELEASE AGENT.

Company Details

Designer Concrete Coatings Pty Ltd
8 Jayelem Crescent, Padstow, NSW 2211, Australia
Tel: (02) 9771 5511 Fax: (02) 9771 5744
Emergency Telephone: 000

Product Information

This Product is classified as hazardous according to criteria of Worksafe Australia

Product Names:	Liquid RA
Product Use:	Release agent for concrete stamp mats.
Shipping Name:	Not applicable
U.N. Number:	Not applicable
D.G. Class:	Not a Dangerous Good under Aust. Dangerous Goods Act
Hazard Category:	Xn Hazardous – Xi Irritant
Hazchem Code:	Not applicable
Packaging Group:	Not applicable
Poisons Schedule:	5
Chemical Description:	Mixture of hydrotreated heavy naphtha, lanolin, alcohols/solvents and α -limonene. Other ingredients not determined hazardous.

Potential Health Effects:	Acute Inhalation: vapour concentrations may result in possible headaches or nausea. Skin: may cause mild skin irritation. Eye: liquid and vapour may cause moderate eye irritation. Ethoxylated alcohol is a severe eye irritant but < 5% in liquid release agent. Ingestion: harmful if swallowed. Do not induce vomiting. Drink water.
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Physical Description / Properties

Appearance:	Off-white liquid
Odour:	Aromatic
Boiling Point (°C):	> 100
pH:	NAS
Relative Density:	0.99
Shelf Life:	N/A
Vapour Density:	Same as for water.
Flammability Limits:	Non combustible
Solubility in Water:	Soluble
Solubility in Organic Solvents:	N/A

Vapour Pressure (kPa): NAS
Volatiles %: > 5%

Flash Point (°C): Non combustible
Auto Ignition Temp. N/A

Ingredients

Chemical Entity	C.A.S. Number	Proportions %
Hydrotreated heavy naphtha	64742-48-9	6% - 20%
Lanolin anhydrous.	8006-54-0	4% - 15%
C12-C15 alcohols, ethoxylated with 4 moles of ethylene oxide.	68131-39-5	< 5%
<i>d</i> -limonene.	5989-27-5	< 5%
Non hazardous other ingredients.		to 100%

Health Hazard Information

Health Effects

Effects of overexposure – Acute

Chemical vapour concentrations are mildly odorous and can be irritating to the eyes and respiratory tract and may cause headaches, dizziness and nausea to some people.

Effects of Exposure – Chronic

Prolonged or repeated contact with the skin may irritate and cause dermatitis.

Emergency and First Aid Procedures

Swallowed

Do not induce Vomiting. Give a glass of water and seek immediate medical attention. Poisons Information Centre phone 131126.

Eye

Immediately hold open eyes and flush with water continuously for at least fifteen minutes. Seek medical attention.

Skin

Remove contaminated clothing and wash affected area with plenty of soap and water

Inhaled

Remove to fresh air. Keep at rest until fully recovered. Seek medical attention.

First Aid Facilities

Safety shower and/or eye wash basin desirable.

Advice to Doctor

Treat symptomatically as for exposure to petroleum distillates and related hydrocarbons.

Precautions for Use

Exposure Standards

No occupational exposure standards have been assigned by NOHSC in Australia for any of the ingredients in this product. It is recommended that the Time Weighted Average (TWA) is 200ppm, based on total hydrocarbon content.

Engineering controls

Use only with adequate ventilation. Keep containers closed when not in use.

Ecological Information

No specific data is available for Liquid Release Agent. Principal ingredients are water, lanolin, solvent and surfactant. Lanolin is biodegradable and is not regarded as hazardous. Ethoxylated alcohol is very toxic to aquatic organisms but content is less than 5%. No specific eco-toxicity data is available on hydrocarbon solvent but is regarded as hazardous to aquatic environments. However, solvent evaporates after application leaving behind a coating of lanolin and therefore treated areas should not present an aquatic hazard whence dry.

Disposal

Do not hose spills down drains, sewers or into waterways. Contact local waste disposal authority for advice or via a licensed waste disposal company for disposal.

Personal Protective Equipment

Use suitable protective equipment to avoid skin and eye contact and acute inhalation particularly in places with limited ventilation. Glove material should be compatible for use with limonene.

Safe Handling Information

Storage and Transport

Store away from extreme heat, however on application the hydrocarbon content evaporates with exposure to ambient temperature and therefore treated items should not present a flammability hazard once they have dried. Do not cut or weld empty containers. Schedule 5 poison – must be stored in accordance with State poisons regulations. Transport with due care – DG Class not a dangerous good.

Spill

Slippery when spilt. Clean up immediately. Use protective clothing to avoid skin and eye contact. Ventilate area thoroughly and wear a ventilator if necessary to minimise inhalation. Eliminate ignition sources and do not smoke. Move leaking containers to well-ventilated area. Empty containers can retain solvent vapours that may present explosive or irritant vapour hazards. Small spills can be wiped up. Large spills should be dammed. Absorb spills with sand, dirt or other suitable inert absorbant material for disposal in accordance with waste authority regulations. Prevent entry into drains, sewers and waterways.

Regulatory Information

NRA:	Not required	
TGA:	Not required	
Poisons Schedule:	Schedule 5	
Hazardous substances:	Category:	Xn Hazardous
	Risk Phrases:	R41 – Risk of serious damage to eyes. R65 – Harmful – may cause lung damage if swallowed.
	Safety Phrases:	S2 – Keep out of reach of children. S23 – Do not breathe vapour. S24/25 – Avoid contact with skin & eyes. S62 – If swallowed, do not induce vomiting; seek medical advice immediately, show this MSDS.

Fire / Explosion Hazard

Explosion Limit Upper:	NAS
Explosion Limit Lower:	NAS
Dust Explosion Hazard:	N/A
Hazardous Decomposition Products:	Carbon dioxide and carbon monoxide may be released in fire.
Hazardous Polymerisation Products/Reactions:	Will not occur.
Extinguishing Media:	Dry chemical powder, foam, carbon dioxide, water fog.
Other Precautions:	Fire fighter should wear self-contained breathing apparatus in fire situations.

Contact Points

Designer Concrete Coatings:	(02) 9771 5511
Poisons Information Center:	131 126
Fire Brigade:	000
Ambulance:	000
Police:	000

This company cannot anticipate all conditions under which this MSDS information and our products may be used. Users are advised to make their own tests to determine the safety and suitability of each product. All information in this MSDS is as up to date as possible. No warranty expressed or implied is made to the accuracy, reliability or completeness of this data. Designer Concrete Coatings Pty Ltd assumes no responsibility for personal injury or property damage to vendors, users or third parties caused by the material. Such vendors or users assume all risks associated with the use of the material.