

DESIGNER

CONCRETE COATINGS

MATERIAL SAFETY DATA SHEET

MSDS Repsol Date of Issue Jan 2012: Re-issued October 2013 – no amendments required

REPSOL™

Company Details

Designer Concrete Coatings Pty Ltd
19 Liverpool Street, Ingleburn, NSW 2565, Australia
Tel: (02) 9829 3311 Fax: (02) 9829 3544
Emergency Telephone: 000

Product Information

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

Product Names:	Repsol
Product Use:	Repair/rejuvenation compound for clear & coloured acrylic sealers used on concrete surfaces.
Shipping Name:	Resin Solution – Flammable.
U.N. Number:	1866
D.G. Class:	Class 3 under Aust. Dangerous Goods Act.
Hazard Category:	Xn Hazardous – Xi Irritant
Hazchem Code:	3[Y]
Packaging Group:	III
Poisons Schedule:	5
Chemical Description:	Mixed solution of hydrocarbon solvents & acrylic resins.

Potential Health Effects:	Acute Inhalation: vapour concentrations may result in possible headaches or nausea. Skin: may cause skin irritation. Eye: liquid and vapour may cause moderate to severe eye irritation dependent upon exposure conditions and ventilation. Ingestion: harmful if swallowed. Do not induce vomiting. Drink water.
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Physical Description / Properties

Appearance:	Clear liquid
Odour:	Distinctive hydrocarbon solvent odour.
Boiling Point (°C):	137 - 175°C (approx)
pH:	NAS
Relative Density:	0.9
Shelf Life:	12 – 18 months.
Vapour Density:	NAS
Flammability Limits:	7.0 – 9.0%
Solubility in Water:	Negligible
Solubility in Organic Solvents:	Soluble

Vapour Pressure (kPa): 1.7
Volatiles %: ≥ 90%

Flash Point (°C): 43
Auto Ignition Temp. NAS

Ingredients

<u>Chemical Entity</u>	<u>C.A.S. Number</u>	<u>Proportions %</u>
Liquid hydrocarbons	1330-20-7 / 64742-95-6 / 67-64-1	≥ 90%
Acrylate/Methacrylate Copolymer	28262-63-7	≥ 10%

Health Hazard Information

Health Effects

Effects of overexposure – Acute

Chemical vapour concentrations are distinctively 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 immediately. 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

Occupational exposure standards assigned recommend maximum 50ppm / 8 hour working day based on total hydrocarbon content.

Engineering controls

Use only with adequate ventilation. Local exhaust use face velocity > 20m/min. Keep containers closed when not in use. Keep away from heat and sources of ignition.

Ecological Information

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 acrylic material and therefore treated areas should not present an aquatic hazard when 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. Avoid skin and eye contact and acute inhalation particularly in places with limited ventilation. Glove material should be long impervious PVC. Cotton overalls recommended. Wear chemical goggles resistant to aromatic hydrocarbon solvents. Use respiratory mask Type A, Class 1 organic vapour (AS1715) for brush or roller application and use recommended respiratory mask in conjunction with Class P1 particle filter for spray application. Wash hands/face after use.

Safe Handling Information

Storage and Transport

Store away from heat and all ignition sources including static electricity in a clean, well ventilated area. Do not cut or weld empty containers. Schedule 5 poison – must be stored in accordance with State poisons regulations. Remove container lid slowly before use so as to release any internal pressure. Transport with care – DG Class 3 / Hazchem Code 3[Y].

Spill

Slippery when spilt. Clean up immediately. Use protective clothing to avoid skin and eye contact. Ventilate area thoroughly and wear a ventilator as required 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:	9.0%
Explosion Limit Lower:	7.0%
Dust Explosion Hazard:	N/A
Hazardous Decomposition Products:	Carbon dioxide and carbon monoxide released in fire. Heavy smoke.
Hazardous Polymerisation Products/Reactions:	Unlikely to occur.
Extinguishing Media:	Dry chemical powder, foam, carbon dioxide. Keep drums cool with water spray.
Other Precautions:	Fire fighter should wear self-contained breathing apparatus in fire situations.

Contact Points

Designer Concrete Coatings:	(02) 9829 3311
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.