

DESIGNER

CONCRETE COATINGS

Material Safety Data Sheet

MSDS: Solvent

Date Of Issue : May 2003

Solvent

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: Solvent
Other Names: Thinners
Shipping Name: Paint Related Material
U.N. Number: 1263
D.G. Class: 3
Subsidiary Risk: N/A
Hazchem Code: 3[Y]
Packaging Group: III
Poisons Schedule: S5
Chemical Description: Mixture of Petrochemical hydrocarbons (mostly aromatic).
Use: Paint solvent/thinners. Thinner for Decorative Concrete Sealer, Concrete Resurfacing Sealer, High Gloss Sealer, Colour-Seal & Decorative Concrete Sealer 28.

Physical Description / Properties

Appearance: Water white liquid
Odour: Aromatic
Boiling Point (°C): > 154
pH: Range 8-9
Relative Density: 0.87
Shelf Life: N/A
Vapour Density: Range 3.7 – 4.25
Flammability Limits: See 'Fire/Explosion Hazard' under 'Safe Handling Information'
Solubility in Water: Negligible
Solubility in Organic Solvents: Soluble
Vapour Pressure (kPa): 0.5
Volatiles %: 100
Flash Point (°C): 27
Auto Ignition Temp. 471

Ingredients

Chemical Entity	C.A.S. Number	Proportions %
Liquid Hydrocarbons	64742-95-6 Or 1330-20-7 Or 64742-88-7	95 - 100 95 – 100 Max. 5

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Health Hazard Information

Health Effects

Effects of overexposure – Acute

High vapour concentrations are irritating to the eyes and respiratory tract, may cause headaches and dizziness, are anesthetic and may have other central nervous system effects.

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.

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 and apply artificial respiration if not breathing. Keep person calm and seek medical attention.

Advice to Doctor

Treat symptomatically

Precautions for Use

Exposure Standards

50 ppm for 8 hour working day exposure

Engineering controls

Avoid heating product

Ventilation

Use in well ventilated area or use local exhaust – face velocity > 20 m/min

Personal Protection

Gloves: Long impervious PVC

Overalls: Cotton

Eyes: Chemical goggles resistant to aromatic hydrocarbon solvents

Respiratory: Brush or Roller Application: Type I, Class 1 organic vapour (to AS1715) (eg 3M Easicare 5101/5201/5301, Type 1A)

Spray Application: Above in conjunction with Class P1 particle filter

Other: Practice strict hygiene – wash before breaks and after finishing

Flammability

Flammable liquid

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Safe Handling Information

Storage and Transport

Store away from heat, alkalis, foodstuffs and empty foodstuff containers and oxidising agents (such as chlorates, nitrates etc.) Remove container lids and bungs slowly to release any internal pressure. Isolate from sources of heat, naked flames or sparks. Ensure fittings are earthed and flame proofed. Ensure adequate ventilation. Explosive air-vapour mixture may form. Take precautions against static electricity and sparking.

Spill

Remove all ignition sources. Isolate area. Recover free liquid. Absorb in dry inert material and place in sealable labelled drums. Avoid breathing vapours. Ventilate confined spaces or use breathing apparatus. Keep out of sewers and drains by diking or impounding. Advise authorities.

Waste Disposal

Observe all Federal, State and Local regulations. Dispatch sealed labelled material to approved waste authority.

Fire / Explosion Hazard

Explosion Limit Upper:	7.0%
Explosion Limit Lower:	0.9%
Dust Explosion Hazard:	N/A
Hazardous Decomposition Products:	Smoke, Carbon monoxide
Hazardous Polymerisation Products/Reactions:	Unlikely
Extinguishing Media:	Foam, carbon dioxide, dry chemical. Cool drums with water spray
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

Key to Abbreviations

N/A	Not applicable
NAS	Not assigned
°C	Degreed Celsius
k/Pa	Kilopascals
m/min	

We cannot anticipate all conditions under which this 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 Data Sheet is as up to date as possible. No warranty expressed or implied is made to the accuracy, reliability or completeness of this date. Designer Concrete Coatings 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.