

Material Safety Data Sheet

Clearseal Concrete Sealer

1 IDENTIFICATION OF THE SUBSTANCE

Product Type/Use	Solvent Acrylic Concrete / Driveway sealer.
Supplier	Rockbond SCP Ltd 7 Te Puni Street, Petone, Wellington PO Box 38-526, Wellington 5045 New Zealand
Phone	+64 4 568 5401
Email	sales@rockbond.co.nz

2 COMPOSITION/INGREDIENTS

CAS Number:	Chemical name:	%
108-88-3	Toluene	10-30
64742-89-8	Aliphatic Hydrocarbons	10-20
1330-20-7	Zylene	10-20
Acrylic Polymer	Proprietary	40-45
Other ingredients determined not to be hazardous		

3 HAZARDS IDENTIFICATION

Human Health Hazards

Vapours may cause irritation of the respiratory tract. Prolonged or repeated skin contact may cause irreversible effects such as dermatitis.

Physical and Chemical Hazards

Flammable.

Solvent Acrylic coatings may form flammable or explosive vapour air mixture during storage and use.

Environmental Hazards

Not readily biodegradable. Has the potential to bioaccumulate. Toxic to aquatic organisms.

4 FIRST AID MEASURES

Symptoms and Effects

Exposure to vapours/mist may cause dizziness, headache, nausea, irritation to the eyes, upper respiratory tract, mouth and digestive tract, asphyxiation, unconsciousness.

Inhalation

Move patient to fresh air. If breathing is difficult seek medical advice. Supplemental oxygen may be required.

Eye Contact

Rinse eye thoroughly with clean water for at least 15 minutes, ensuring eyelid is held open and contaminant is washed out.. Obtain medical help.

Skin Contact

Remove contaminated clothing. Flush exposed area with water and soap. If irritation occurs, seek medical attention. Can be removed from the skin using slightly warmed medicinal paraffin.

Ingestion

Give water to drink providing the patient is conscious. Do not induce vomiting. Obtain medical help immediately.

Advice to Doctor: Treat symptomatically

5 FIRE FIGHTING MEASURES

Clear the fire area of all non-emergency personnel.

Extinguishing media

Dry chemical powder, foam, carbon dioxide, sand or earth.

Do not use water jets.

Specific hazards

Gives off a complex mixture of gases and airborne particles including carbon monoxide. Flammable vapours can drift along the ground causing distant ignition. Boil-over of tanks and violent eruptions may occur in the presence of water.

Firefighter protection

Proper protective equipment including breathing apparatus must be worn when approaching a fire.

Additional information

Keep adjacent storage containers or fire exposed surfaces cool with a fine spray of water.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid contact with skin, eyes and clothing. Do not breathe vapour or fumes.

Remove all possible sources of ignition. Ventilate the contaminated area. Shut off leaks if possible without personal risk.

Environmental precautions

Prevent spillage from entering drains or rivers by using sand earth or other appropriate barriers.

Clean up

Soak up residue with an absorbent such as clay or sand and dispose of in accordance with local regulations.

Additional advice

Local authorities should be advised if significant spillages cannot be contained.

7 HANDLING AND STORAGE

Handling temperature

40°C maximum.

Handling

Avoid contact with skin, eyes and clothing. Avoid breathing vapour or spray mist.

When using do not eat, drink or smoke. Do not breathe fumes which may accumulate in the vapour head space of containers.

Use proper handling equipment and wear safety footwear.

Keep away from sources of ignition.

Storage

Store in a cool, dry, well-ventilated area away from sunlight, ignition sources and other sources of heat. Use proper containers and keep tightly closed when not in use. Bulk storage containers should be banded. Do not smoke in storage areas.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls

Use exhaust ventilators if there is a risk of inhalation. Exposure to fumes should be minimized.

Ensure eye washes and emergency shower are accessible.

Control parameters

Material	Type	Value	Reference
Standard solvent	8h TWA	100ppm	ACGIH
	8h TWA	350mg/m ³	NIOSH
	15h STEL	1800mg/m ³	NIOSH

Contd next page.

Personal protection

Overalls and other outer clothing should be laundered as necessary to avoid permeation of the product to under clothing.

Soiled gloves should be disposed of. Ensure good personal hygiene. Wash hands before eating or drinking. If any risk of inhalation of vapour, fumes or spray mist, wear a respirator fitted with an organic cartridge and a particulate pre-filter. Use additional approved respiratory equipment in confined spaces where vapours are likely to accumulate.

Environmental exposure controls

An environmental assessment should be made to ensure compliance with local environmental legislation.

9 PHYSICAL AND CHEMICAL

PROPERTIES Appearance:

Physical state	Liquid
Colour	Light Amber
Odour	As per Toluene
pH	Not applicable
Initial boiling point	45-128°C
Flash point	-20°C
Density	.95
Vapour pressure	3.7 (air=1)
Solubility in:	
Water	Insoluble, non miscible
Organic solvent	Soluble in many organic solvents
Fats	Partly soluble
Electrical conductivity	Insulating
Hygroscopicity	Not hygroscopic

10 STABILITY AND REACTIVITY

Chemical stability

Stable under normal conditions of use.

Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

Incompatible materials

Avoid contact with strong oxidizing agents, halogens and molten Sulphur.

Hazardous decomposition products

Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

11 TOXICOLOGICAL INFORMATION

Likely routes of exposure

Skin and eye contact are the primary routes of exposure although exposure may occur through inhalation or accidental ingestion.

Acute toxicity

Existing data and extrapolation from data on other petroleum products indicates that the acute toxicity is likely to be low.

Oral: LD50 expected to be above 4300 mg/kg.

Dermal: LD50 expected to be above 1700 mg/kg.

Inhalation: Not considered to be an acute inhalation hazard under normal conditions of use.

Skin exposure Can be irritating to skin

Eye contact Irritation, swelling and redness.

Inhalation Vapours may lead to irritation of the upper respiratory tract.

Carcinogenicity

Contains low concentrations of Polycyclic Aromatic Compounds. Experiments have shown that this product is not likely to have carcinogenic effects. However, it is recommended that any exposure is reduced as far as is practicable.

12 ECOLOGICAL INFORMATION

Mobility

Not available

Bioaccumulative potential

Contains components with the potential to bio-accumulate.

Eco-toxicity

Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Degradability

Degradation is very slow. Under normal conditions, the product will remain in place.

13 DISPOSAL CONSIDERATIONS

Material disposal

Recover or recycle if possible. Do not dispose into the environment, in drains or waterways. Arrange for proper waste disposal in compliance with national and local government regulations.

Container disposal

Drain container thoroughly, then allow to vent in a safe place until all residues are dry. Dispose of containers in compliance with national and local government regulations.

14 TRANSPORT INFORMATION

UN number	1866
Proper shipping name	Resin Solution
DG Class	3
Packing group	III
Marine pollutant	Yes
Flashpoint	-20°C

15 REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

HSNO Approval Number: HSR002495

Other information:

New Zealand Workplace Exposure Limits 2002 (WES). New Zealand Standard 5433:2007 Transport of Dangerous Goods on Land. Surface Coatings and Colourants (Flammable) Group Standard 2006.

16 OTHER INFORMATION

MSDS version number	1.2
MSDS effective date	January 2018
Number of pages	5
Uses and restrictions	This product must not be used in applications other than those recommended in section 1, without first seeking the advice of the supplier as in section 1.
MSDS distribution	This document should be made available to any person who may handle or use the product.
Disclaimer	The information contained in this document is correct and as up to date as possible at the time of printing and is intended only to describe the product for safety, health and environmental purposes.

END OF MSDS