

MATERIAL SAFETY DATA SHEET

UNISEAL - SOLVENT BASED ACRYLIC SEALER

CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF "WORKSAFE AUSTRALIA"

MSDS NO. 328

REVISION: 3

DATE: JUNE 2015

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

IDENTIFICATION OF THE PRODUCT: UNISEAL ACRYLIC SEALER

CHEMICAL FAMILY: Aromatic Resin solution

PRODUCT DESCRIPTION: Clear colourless liquid

SUPPLIER: Concrete Protection Pty Ltd
155 Barkly Avenue
Burnley Vic 3121

EMERGENCY PHONE NUMBER: 03 94293377 (Office Hours)
1 800 033 111 (Outside Office Hours)

2. COMPOSITION/ INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	CAS No.	%(w/v)	Hazardous Category	Risk Phases
Solvent 100	64742-95-6	40	Xn,Xi	R10,R20,R37 R65
Acrylate/methacrylate copolymer	56925-73-6	25	Non-Hazardous	
Xylene	1330-20-7	35	Xn,Xi	R10,R20,R37 R66

3. HAZARDS IDENTIFICATION

PHYSICAL AND CHEMICAL HAZARDS / FIRE AND EXPLOSION HAZARDS

Classified as hazardous according to the criteria of Worksafe Australia.
Hazard Category: Xn (HARMFUL), Xi (IRRITANT)

U.N. Number : 1866
Proper Shipping Name : RESIN SOLUTION, flammable
Dangerous Goods Class : 3
Subsidiary Risk : -
Hazchem Code : 3[Y]
Packing Group : III
EPG/IERG Number : 3A1/14
Poisons Schedule : 5

4. FIRST AID MEASURES

SWALLOWED:

Rinse mouth with water. Give water to drink. DO NOT INDUCE vomiting. Seek immediate medical advice.

SKIN CONTACT:

Flush with large amount of water; use soap. Remove contaminated clothing, including shoes, and launder before reuse. If irritation occurs seek medical advice.

EYE CONTACT:

Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash contaminated skin. Seek immediate medical assistance.

INHALATION:

Using proper respiratory protection, immediately remove the affected victim from exposure. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.

Poisons Information Centres in each State capital city can provide additional assistance for scheduled poisons.

Advice to Doctor: Treat symptomatically as for exposure to aromatic hydrocarbon solvents. Do not give epinephrine or related drugs. Aspiration can result in pulmonary oedema. Liquid paraffin BP may slow gastric absorption. Gastric lavage should only be undertaken after endotracheal intubation.

5. FIRE -FIGHTING MEASURES

FIRE FIGHTING PROCEDURES:

Flammable liquid, (Class 3).

May form flammable vapour mixtures with air. Avoid all ignition sources. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Keep containers tightly closed.

If safe to do so, remove containers from path of fire. Keep containers cool with water spray. Fire fighters to wear self contained breathing apparatus if risk of exposure to vapour or products of combustion/decomposition.

EXTINGUISHING MEDIA: Foam, dry agent (carbon dioxide, dry chemical powder).

6. ACCIDENTAL RELEASE MEASURES

Contain- prevent run off into drains and waterways. Use absorbent (soil, sand or other inert materials). Shut off possible sources of ignition. Avoid inhalation of vapours. Work up wind or increase ventilation. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Collect and seal in properly labeled drums for disposal. Wear protective equipment to prevent skin and eye contamination and inhalation of vapours. For large spills notify Emergency Services. If contamination of sewers or waterways has occurred advise local Emergency Services.

7. HANDLING AND STORAGE

Handling: Avoid skin and eye contact and inhalation of vapours. Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour respirator meeting the requirements of AS1715 and AS1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or reuse.

Storage: Flammable Liquid (Class 3).

Store in well ventilated area. Store away from organic/combustible materials/oxidizing agents/foodstuffs. Keep containers closed at all times – check regularly for leaks. Avoid thermal shock. Store in cool place and out of direct sunlight. Store away from sources of heat or ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

	TWA		STEL		NOTICES
Solvent 100*	ppm	mg/m ³	ppm	mg/m ³	-
	-	-	-	-	

*No exposure standard has been established. The recommended exposure is 50 ppm based on total hydrocarbon composition. (1)

Exposure standard (TWA) is the time weighted average airborne concentration over an eight hour working day, for day working week over an entire working life. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

STEL (Short Term Exposure Limits) – the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour work day. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to nearly all workers.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Skin Protection: Use PVC or rubber gloves to prevent skin contact.

Eye Protection: Use safety eyewear including safety glasses with side shields and chemical goggles or face shields where splashing may occur.

Other Protective Equipment: Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing and other protective equipment before storage or reuse. If inhalation risk exists wear organic vapour respirator meeting the requirements of AS1715 & AS1716

Hygienic Practices: Always wash hands before smoking, eating, drinking or using the toilet. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
FORM/COLOUR:	Clear colourless liquid
ODOUR:	Hydrocarbon
FLASH POINT (°C):	> 42°C
BOILING POINT RANGE (°C):	155-175 °C
DENSITY (15 DegC)	0.930 g/cm ³
FLAMMABILITY LIMIT V%	0.9 – 7.0
SOLUBILITY LIMIT	IMMISCIBLE

10. STABILITY AND REACTIVITY

Stability: This product is stable under normal storage conditions.

Reactivity: Reacts with oxidising agents/acid/alkalis/amines/alcohols/water/moisture liberating flammable/toxic gas. Conditions to avoid sparks, flames, ignition sources.

11. HEALTH HAZARDS & TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled are:

ACUTE EFFECTS

Swallowed: May cause irritation to mouth, throat and digestive tract. Swallowing can result in nausea and vomiting. Large dose may cause drowsiness and may lead to unconsciousness. Aspiration of liquid into the lungs possibly as a result of vomiting, can cause chemical pneumonitis. (1)

Eye: May be an eye irritant.

Skin: Contact with skin can result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritate contact dermatitis.

Inhalation: Vapour is irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if, exposure is prolonged, unconsciousness.

CHRONIC EFFECTS

Avoid prolonged or repeated skin contact as the product may cause dermatitis. (1)
Permanent central nervous system and blood changes can occur due to high solvent exposure over time. Respiratory allergies and diseases of the skin, nose, throat, lungs, liver, kidney and blood may be aggravated by exposure to the product and its vapours.

TOXICITY EFFECTS

No product toxicological information is available.

For the individual components based on 100% the following toxicological information has been recorded:

Solvent 100 (1)

Inhalation LC50 (rat) : 1320 ppm/6 hr/90days

Toxic effects: Nutritional and gross metabolic – weight loss or decreased weight gain.

12. ECOLOGICAL INFORMATION

Environmental impact of this product is unknown.

Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Advise flammable nature. Normally suitable for disposal by approved waste disposal agent.

14. TRANSPORT INFORMATION

SHIPPING NAME: RESIN SOLUTION, flammable (solvent 100)

Packing Group: 111

Mode	Regulations	Class	Packaging Group	Notes
-	UN	1866	111	
Sea	IMDG	Class 3	111	
Road/Rail	ADG Code	Class 3	111	
Air	IATA/ICAO	Class 3	111	

Classified as a 3 (FLAMMABLE LIQUID) Dangerous Substance for the purpose of transport. Refer to relevant regulations for storage and transport requirements.

Not to be loaded with explosives (Class 3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1) organic peroxides (Class 5.2), foodstuff empties, however exemptions may apply.

This material is a Scheduled Poison (S6) and must be stored, maintained and used in accordance with the relevant regulations.

15. REGULATORY INFORMATION

Classification and labelling according to Worksafe Australia's Code of Practice for Labelling Workplace Substances [NOHSC 02012 (1994)]

Hazard Symbol: Xn (HARMFUL), Xi (IRRITANT)

R10	Flammable.
R20	Harmful by inhalation.
R37	Irritating to respiratory system.
R65	Harmful: may cause lung damage if swallowed.

REGULATORY INFORMATION CONTINUED

S16	Keep away from sources of ignition – no smoking.
S29	Do not empty in drains.
S43	In case of fire use sand, earth, chemical powder or foam.
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Exposure Limits: A Workplace Exposure Standard for Atmospheric Contaminates in the Occupational Environment has not been established by Worksafe Australia.

The information contained in this Safety Data Sheets does not replace any of the user's statutory duties in respect of performing an adequate assessment of any potential workplace risk which may occur as a result of the way in which the product is used. The user must carry out such assessments as are required by other health and safety legislation.

16. OTHER INFORMATION

Principal References:

(1) Material Safety Data Sheet – Solvent 100, BP Chemicals, March 1997, Infosafe No. BP2TE.

The customer is advised to consult the product Technical Data Sheets for further information including advice on suitable equipment.

Information used in the compilation of this product SDS obtained from investigations conducted at outside laboratories.

This Material Safety Data Sheet has been prepared by Concrete Protection Pty.Ltd

Contact Point: Concrete Protection Pty.Ltd
Telephone: (03) 94293377

Issue Date: June 2010 Supersedes: June 2005

Reason for Revision: Alignment to Worksafe Requirement.

Safety Data sheets are updated frequently. Please ensure that you have a current copy.

The information contained in this document is intended to describe the product in terms of "health, safety and environmental requirements for the purposes of this safe handling use and disposal and is to the best of Concrete Protection Pty Ltd knowledge and belief correct. Concrete Protection Pty Ltd Technical Services will be pleased to give further advice and assistance, but customers must satisfy themselves (by appropriate testing if necessary) that the product is suitable for their purposes and conditions of use and that their facilities and arrangements are suitable for handling or using the product. Accordingly Concrete Protection Pty Ltd disclaims any liability for loss, injury or damage, which may result from the use of the product, this information, or from such advice and assistance save as may be expressly agreed under its terms of sale.

This information does not comprise a technical or performance specification for the product and customers are referred to any relevant product technical information or specification issued by Concrete Protection Pty Ltd.