

RESINSEAL

SAFETY DATA SHEET

RESINSEAL CLEAR CONCRETE SEALER

IMPORTANT: Read this SDS before handling or using this product and pass this information to employees, customers and other potential users.

The information contained in this SDS is displayed in the order prescribed in the EU REACH regulation (1907:2006).

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1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

Name of Preparation: Resinseal clear concrete sealer
Intended Uses: In specialist surface coating applications.
Supplier: Leading Solvent Supplies Ltd,
Marston Business Park,
Rudgate,
York,
YO26 7QF
Phone: 01423 358058
Fax: 01423 358923
E-mail: sales@leading-solvent.co.uk

2. HAZARDS IDENTIFICATION

Main hazards: Flammable. Moderate heating to temperatures at or above the flash point can release vapours which can form flammable mixtures with air.

Harmful by inhalation and in contact with the skin.

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

Other hazards: Inhalation of the vapours may cause drowsiness and dizziness.

Repeated exposure may cause skin dryness and cracking.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	EINECS No.	CAS No.	%	Danger Category	Risk Phrases*
Solvent Naphtha (Petroleum) Light Aromatic**	265-199-0	64742-95-6	10-20	Xn, N	R10, 37, 51/53, 65, 66, 67
Xylene	215-525-7	1330-20-7	70-80	Xi, Xn	R10, 20/21, 38
n-Butyl methacrylate	202-615-1	97-88-1	0.3-0.7	Xi	R10, 36/37/38, 43
Methyl methacrylate	201-297-1	80-62-6	0.1-0.3	Xi, F	R11, 37/38, 43

*The texts of risk phrases referred to here are shown in Section 16.

** This substance may contain trace amounts of benzene but never more than 0.1% by weight. Note J to the ASL applies.

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4. FIRST AID MEASURES

Inhalation:	Remove the affected person to fresh air. Allow to rest and keep warm. If unconscious, turn to the recovery position and immediately seek medical attention. If breathing is difficult or respiratory system is irritated obtain medical attention.
Ingestion:	Wash out mouth with water. DO NOT INDUCE VOMITING. Obtain medical attention immediately. Loosen all tight clothing and give large quantity of water to drink. If patient vomits place in the recovery position.
Skin Contact:	Blot or wipe off excess material then immediately flush affected area with large quantities of clean water. Wash with soap and water. Remove all contaminated clothing and shoes and wash before re-use. Obtain medical attention if irritation occurs.
Eye Contact:	Quickly but gently blot or wipe chemical from the face. Check for and remove any contact lenses. Immediately flush eye(s) with lukewarm gently flowing water for 5 minutes while holding the eyelid(s) open. Obtain medical advice.

5. FIRE FIGHTING MEASURES

All fires:	DO NOT USE WATER JETS
Small fires:	Use carbon dioxide, dry chemical, 'alcohol' foam, sand, earth or water fog
Large fires:	Use 'alcohol' foam or water fog. Keep containers cool by spraying with water. If it can be done without risk, move containers from the vicinity of the fire.
Risks:	Dense black smoke, which may contain carbon monoxide, will be released.
Protective Measures:	Evacuate area and fight fire from a distance. Use self-contained breathing apparatus if entry to the affected space is necessary. Do not allow run-off water to enter drains or water courses. If run-off water enters drains or watercourses inform the emergency services and the local water authority immediately.

6. ACCIDENTAL RELEASE/SPILLAGE MEASURES

Personal Precautions Following Spill:	Evacuate all non-essential personnel from the vicinity of the spill. Remove all sources of ignition. If indoors, ventilate the affected area, wear self-contained breathing apparatus and avoid all forms of contact. If outside, mark out the affected area with signs and prevent unauthorised personnel from approaching the scene. Avoid all forms of contact. If safe to do so turn leaking drums leak-side up in order to minimise leakage.
Precautions to Protect Environment:	Prevent spilled material entering drains and watercourses. If spilled material enters drains or watercourses inform the emergency services and the local water authority.
Spill Clean-up Methods:	Absorb spilled material on non-combustible absorbent such as vermiculite granules or sand and place in sealed containers. Retain for disposal as recommended in Section 13. Scrub the affected area with detergent and water. If possible, collect wash water for disposal as recommended in Section 13. If not possible to collect wash water, flush washings to drain with very large quantities of water.

7. HANDLING AND STORAGE

Usage Precautions:	Apply by means of brush, roller or airless spray only. Keep away from sources of ignition. DO NOT SMOKE while using this material. Handle only in a manner which minimises the risk of damage to packages and of spillage. Use with adequate ventilation or while wearing recommended respiratory device. Avoid generating mists. Do not inhale mists. Avoid contact with eyes, skin and clothing. Wash hands thoroughly after working with this substance. Contaminated clothing must be thoroughly laundered before re-use.
Storage Precautions:	Store only in sealed, clearly marked containers in an area which is well ventilated, dry and not subject to extremes of temperature. Ensure that lighting and electrical equipment in the vicinity are not sources of ignition.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingredient Name	EINECS No.	WEL mg/m ³		Comments
		8 Hour TWA	15 min STEL	
Solvent Naphtha (Petroleum) Light Aromatic	265-199-0	150*		
Xylene	215-525-7	220	441	Skin
Methyl methacrylate	201-297-1	208	416	

* Manufacturer recommended value.
The other substances listed in Section 3 have not been assigned workplace exposure limits.

Engineering Controls	Ensure there is sufficient ventilation of the area. Ensure that lighting and electrical equipment are not a source of ignition.
Personal Protection. Respiratory Protection	When being used out of doors respiratory protection should not be necessary. When being used indoors use appropriate certified respirators with vapour filter type AB.
Skin Protection	Wear nitrile rubber gloves and suitable clothing.
Eye Protection	Wear chemical safety goggles or a face shield.
Hygiene Measures	Do not eat, drink or smoke in work areas. Wash hands thoroughly after handling this material. Maintain good housekeeping.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Colourless, free-flowing liquid.	Odour	Marked, similar to petrol.
Relative Density @ 20°C	0.90	Initial Boiling Point	138°C
Flash Point (Open Cup)	28°C	Solubility in water	Insoluble

10. STABILITY AND REACTIVITY

Stability:	Stable under intended conditions of storage and use.
Conditions to Avoid:	Heat. Hot surfaces. Sources of ignition.
Incompatible Materials:	Strong oxidising agents.
Hazardous Decomposition Products:	Products of combustion may include carbon monoxide and dense black smoke.
Possibility of Hazardous Reactions	Hazardous polymerisation will not occur.

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11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data	No product-specific data available. None of the constituent substances is classified as toxic according to Directive 67/548/EEC.
Symptoms of exposure	
Skin contact:	Prolonged or repeated contact leads to drying and possibly cracking of the skin.
Eye contact:	There may be irritation and redness. The eyes may water profusely.
Ingestion:	May cause irritation of the mucous membranes and abdominal pain if swallowed. There may be soreness and redness in the mouth and throat and vomiting may occur.
Inhalation:	There may be irritation of the respiratory system with a feeling of tightness in the chest. Excessive exposure to the vapours can cause nausea, sickness, headaches, drowsiness, dizziness, disorientation and vertigo.

12. ECOLOGICAL INFORMATION

Mobility:	Will largely evaporate but a significant proportion will not do so. If product enters soil it will be mobile and may contaminate groundwater. Will be absorbed on to soil and will not be mobile.
Aquatic Toxicity:	Toxic to fish and other aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:	Do not discharge to sewers, the ground or any body of water but arrange for disposal by incineration by a licensed operator. Empty containers may contain hazardous residues and should be cleaned by appropriate methods and then re-used or disposed of in an appropriate manner.
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14. TRANSPORT INFORMATION

The following information applies to transport of this preparation by road, rail, inland waterway, sea and air.

UN Number:	1886
Proper Shipping Name:	Resin Solution
Class:	3
Packing Group:	III
Transport Labels:	



The following additional information is specific to the mode of transport shown.

Road (ADR)

ADR Classification Code:	F1
Transport Category:	3
Tunnel Restriction Code:	(D/E)
Limited Quantity Value:	5 litres

Sea (IMDG)

Ems Code:	F-E, S-E
Limited Quantity Value:	5 litres
Marine Pollutant:	Yes

Air (IATA)

Limited Quantity Value:	See Packing Instruction Y309.
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15. REGULATORY INFORMATION

Danger Category: Harmful
Dangerous for the environment

Hazard Symbol Letter: Flammable
Xn N

Warning labels:



Contains: Xylene and Light Solvent Naphtha.

Risk Phrases:

R10 Flammable
R20/21 Harmful by inhalation and in contact with the skin
R37 Irritating to the respiratory system.
R51/53 Toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment
R66 Repeated exposure may cause skin dryness or cracking
R67 Vapours may cause drowsiness and dizziness.

Safety Phrases:

S2 Keep out of reach of children
S24 Avoid contact with the skin and eyes
S37 Wear suitable gloves
S46 If swallowed seek medical advice immediately and show this container or label.
S57 Use appropriate containment to avoid environmental contamination.
S60 This material and its container must be disposed of as hazardous waste.
S61 Avoid release to the environment, Refer to special instructions/safety data sheet.

Sources of Information.

UK Regulatory References: The Chemical (Hazard Information for Packaging and Supply) Regulations 2009 (SI 2009:716) and associated documents.

HSE Guidance Note EH40 2007

Other Sources

Safety data sheets from raw material suppliers.

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16. OTHER INFORMATION

1. The texts of risk phrases shown in Section 3 are:

R10	Flammable
R11	Highly flammable.
R20/21	Harmful by inhalation and in contact with the skin.
R37/38	Irritating to the eyes, respiratory system and skin.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

2. The data contained in this SDS is in most instances derived from knowledge of the components and not from actual testing of the product.

3. This product should be stored, handled and used in accordance with good industrial practice and conformity with any relevant requirements of legislation such as the Health and Safety at Work etc Act, the Control of Substances Hazardous to Health Regulations, the Environmental Protection Act and the Control of Pollution Act.

4. The information contained herein is, to the best of the Company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the responsibility of the user to satisfy himself as to the suitability of such information for his own particular use.

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