

Date of Issue: 18.06.2014
Revision Date:

1. PRODUCT INFORMATION

Product Name logco-cure R90
Application Concrete curing membrane
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2. COMPOSITION

Substance Name	Values (%)	Cas No.	EC No	EC Index	Symbols	R Phrases
Xylene	1 - 10%	1330-20-7	215-535-7	601-022-00-9	Xn; Xi:	R20/21 R38 R10
Cumeme	<1	98-82-8	202-704-5	601-024-00-X	Xi: N Xn:	R37 R51/53 R65 R10
Mesitylene	1-10	108-67-8	203-604-4	601-025-00-5	Xi: N	R37 R51/53 R10
1,2,4-Trimethylbenzene	1-10	95-63-6	202-436-9	601-043-00-3	Xn: Xi: N	R20 R36/37/38 R51/53 R10
Straight run kerosene-solvent naphtha (petroleum) medium aliphatic	50-70	64742-88-7	265-191-7	649-405-00-X	Xi: N	R38 R51/53 R65 R10

Full text of R-phrases: see section 15

3. HAZARDS

Main Hazards

May cause irritation of respiratory tract.
Irritating to skin. Can cause redness.
May cause eye irritation.
Harmful, may cause lung damage if swallowed
Low coefficient of friction presenting a slip hazard.

Environmental Properties

Not biodegradable. Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Inhalation If inhalation of mist fumes or vapour causes irritation to the nose or throat or coughing remove to fresh air. If symptoms persist obtain medical advice.
Skin contact Wash skin thoroughly using soap and water.
Eye contact Rinse immediately with water, also under the eyelids for at least 10 minutes.
Ingestion Do not induce vomiting
Rinse mouth and drink plenty of water
Inhalation Remove from source of exposure. If symptoms persist obtain medical advice.

5. FIRE-FIGHTING MEASURES

Extinguishing Media	Use carbon dioxide, foam, water fog, sand or dry powder.
Not to be used	Direct water jet. (Use water only to keep fire exposed containers cool.)
Protective equipment for fire fighting	In the event of a large fire, self-contained breathing apparatus should be worn.
Other information	Heat from a fire could possibly result in drums bursting. Vapour may travel long distances to source of ignition. In combustion emits toxic gases/vapours/fumes.

6. ACCIDENTAL RELEASE MEASURES

Contain and collect spillage with help of absorbent materials such as floor granules. Protect drains from potential spills to minimise contamination. Wear protective clothing. Ensure adequate ventilation. Eliminate all sources of ignition.

Flash Point	>33C (minimum)
Auto Ignition Temperature	230C (approx.)

If spillage enters drains call Environment Agency Emergency hotline on 0800 807060.

7. HANDLING & STORAGE

Handling	Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices. Avoid contact with eyes, skin and clothing. Avoid inhaling vapours. Well ventilated areas preferred.
Storage	Store away from sources of strong heat sparks, open flames and strong oxidising chemicals. Avoid extremes of humidity. External tanks or stillage should be banded. Avoid direct sunlight.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Personal protective equipment	
Respiratory Protection	In case of insufficient ventilation wear suitable respiratory equipment fitted with a filter.
Hand Protection	Wear suitable impervious gloves (butyl /nitrile).
Eye Protection	Wear suitable safety glasses or goggles.
Protection and Hygiene	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. Eye wash bottle with pure water. Use barrier creams to prevent skin contact.
Engineering Measures	Ensure good ventilation.
Component (WEL (mg/m ³))	Straight run kerosene- Solvent naphtha (petroleum)medium aliphatic (64742-88-7) (8 hr exposure limit): 15mg/m ³

9. PHYSICAL & CHEMICAL PROPERTIES: typical data

Appearance at 20°C	Pale Amber Mobile Liquid
Odour	Mild
Boiling point range °C	140 to >250
Density at 15.6°C	0.825
Viscosity at 40°C	Non-viscous.
Flash Point (Abel)	38°C (minimum)
Auto-ignition temperature (ASTM E659)	Approximately 230°C
Benzene Content % m/m	<0.1%
Solubility	Soluble in non-polar solvents.

10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of use
Hazardous decomposition products, Thermal Decomposition	Carbon monoxide and carbon dioxide.
Incompatible materials	This material is combustible. Strong oxidising agents, strong acids.
Conditions to avoid	Heat, flames and sparks

11. TOXICOLOGICAL INFORMATION

Inhalation	May cause irritation of the respiratory tract. Inhalation of high vapour concentrations may produce anaesthetic or narcotic effects.
Skin	Irritating to the skin. Redness.
Inhalation	At normal ambient temperatures is unlikely to cause inhalation hazard because of low volatility.
Ingestion	Smallest quantities reaching the respiratory system through swallowing or subsequent vomiting may cause irritation. Seek medical advice
Eye contact	Liquid and vapours can cause eye irritation.



12. ECOLOGICAL INFORMATION

Ecotoxicity effects	The product components are classified as environmentally hazardous.
Mobility in soil	Some components may penetrate the soil causing ground water contamination.
Degradability	Inherently biodegradable.
Bio accumulation	Bioaccumulation is unlikely to be significant because of low water solubility of this product.
Aquatic toxicity	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Product Disposal	Ensure conformance with local and national regulations.
Container Disposal	Labels should not be removed from containers until they have been cleaned. Ensure conformance with local and national regulations.
Specific Advice	Supplied material should be considered as Special Waste and Disposal should conform to the relevant Regulations.

14. TRANSPORT INFORMATION

Hazardous for Transport.	Flammable , R10  F
	Marine pollutant, N  N
Proper shipping name	Resin solution, N. O. S.
Un. No	1866
Class	3
Packaging group	III
Special precautions for user	N/A
Environmental hazard	Marine pollutant
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	N/A

15. REGULATORY INFORMATION

Label for supply:



Risk Phases:	R10 R20/21 R36/37/38 R51/53	Flammable Harmful by inhalation and in contact with skin. Irritating to the eyes, respiratory system and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	R65	Harmful. May cause lung damage if swallowed
Safety Phases:	S2 S24/25 S29 S37 S43 S51 S62	Keep out of reach of children Avoid contact with skin and eyes. Do not empty into drains. Wear suitable gloves In case of fire use foam or water fog. Never use water jets. Use only in well ventilated areas If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

This information is, to the best of Leeds Oil & Grease Co. Ltd.'s knowledge, correct and is intended to describe the product requirements. Since the conditions of use are outside Leeds Oil & Grease Co. Ltd.'s control any recommendations or suggestions are made without guarantee and Leeds Oil & Grease Co. Ltd. disclaims any liability for loss or damage suffered from use of this information. Customers must satisfy themselves that the product is suitable for a particular purpose.

Further information can be found in Health & Safety Executive publications, a list of which can be made available from HSE Books – Tel:- 01787 881165

Guidance	COSHH Essentials and Chip for everyone. Consumer Protection Act. Environmental Protection Act COSHH Regulations CHIP regulations
Statutory instruments	The Health & Safety at Work Act 1974 Regulation (EC) NO. 1907/2006 (REACH) amendment to Directive 67/548/EEC Directive 98/24/EC Directive 99/45/EC