



LOGCO PRODUCTS.

Safety Data Sheet

eco-tuf
RTA

Date of Issue: 18.06.2014
Revision Date: 31/10/2013

1. PRODUCT INFORMATION

Product Name eco-tuf RTA
Application Concrete curing liquid.
Company Leeds Oil & Grease Co. Ltd.
Address Clifffdale Road, Meanwood, Leeds, West Yorkshire, LS7 2JF, U.K.
Telephone No (+44) (0)113 216 8822
Fax No (+44) (0)113 216 8833
e-mail technical@logco.co.uk

2. COMPOSITION/INFORMATION OF THE COMPONENTS

Composition

Substance Name	Values (%)	Cas No.	EC No	EC Index	Symbols	R Phrases
Silicic acid, sodium salt	12 - 25	1344-09-8	215-687-4		Xi	R36/37/38

Full text of R-phrases: see section 15

3. HAZARDS

Main Hazards Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation
Environmental Properties Not classified as dangerous for supply/use.

4. FIRST AID MEASURES

Skin contact Wash contaminated skin with soap and water.
Obtain medical attention if any discomfort continues.
Eye contact Rinse immediately with water, also under the eyelids, for at least 15 minutes.
Ingestion Do not induce vomiting.
Rinse mouth and drink plenty of water.
Inhalation Remove from source of exposure.
Get medical attention if any discomfort continues.

5. FIRE-FIGHTING MEASURES

Fire Hazard Non-flammable
Extinguishing Media Use carbon dioxide, foam or dry powder.
Not to be used Direct water jet. (Use water only to keep fire exposed containers cool.)
Protective equipment for fire fighting Wear self-contained breathing apparatus.
Other Information Heat from a fire could possibly result in drums bursting.

6. ACCIDENTAL RELEASE MEASURES

Personnel precautions Wear appropriate protective clothing.
Ensure adequate ventilation.
Environmental precautions Do not flush into surface water or sanitary sewer systems.
Methods for spillages Dispose of in accordance with local regulations.
After cleaning flush away traces with water.
If spillage enters drains call Environmental Agency Emergency 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. Well ventilated areas preferred.
Storage	Store away from sources of strong heat, sparks, open flames and strong oxidising chemicals. Avoid direct sunlight. External tanks or stillage should be banded.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Personal protective equipment

Respiratory Protection	In case of insufficient ventilation wear suitable respiratory equipment 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

9. PHYSICAL & CHEMICAL PROPERTIES: typical data

Appearance at 20°C	Near colourless liquid
Odour	Bland
Boiling point range °C	100C
Density at 15.6°C	ca 1.15
Viscosity at 40°C	N/A
Flash Point (Abel)	N/A
Benzene Content % m/m	N/A
Solubility in water	Fully miscible
Solubility	Insoluble in non-polar solvents.

10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of use.
Hazardous decomposition products	None known.
Incompatible materials	Product as supplied will react with aluminium, zinc, tin and their alloys, evolving hydrogen gas (highly flammable).?Can react violently with acids.
Conditions to avoid	When arc welding vessels containing the product, take care to control any explosion risk from hydrogen evolved by electrolysis.

11. TOXICOLOGICAL INFORMATION

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 not classified as environmentally hazardous.
Mobility in soil	Some components may penetrate the soil causing ground water contamination.
Bio accumulation	The substance has no potential for bioaccumulation
Persistence and degradability	The product is inorganic and as such has no potential for bioaccumulation. Upon dilution, rapidly depolymerise into silica.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
Other adverse effects	The alkalinity of this material will have a local effect on ecosystems sensitive to changes in pH.

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	None
Proper shipping name	N/A
UN-No.	Not classified according to the United Nation
Class	N/A
Packaging group	N/A
Special precautions for user	N/A
Environmental hazards	Not classified as a marine pollutant
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code.	N/A

15. REGULATORY INFORMATION

Label Requirements	The product is classified as not dangerous in accordance with Directive 67/548/EEC
Contains	N/A
Symbols	None
Risk Phases:	None
Safety Phrase	S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16. OTHER INFORMATION

<http://ecb.jrc.it>

Classification and labelling of petroleum substances according to EU dangerous substances directive (CONCAWE recommendations – June 2011)

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