



LICISOL LFD

ICI PAKISTAN LTD.
5 WEST WHARF KARACHI
EMERGENCY TELEPHONE: 111-100-200

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1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND THE COMPANY

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|-----|------------------------|---------------------|
| 1.1 | CHEMICAL PRODUCT | LICISOL LFD |
| 1.2 | APPLICATION | TEXTILE AUXILIARY |
| 1.3 | COMPANY IDENTIFICATION | I.C.I Pakistan Ltd. |
| 1.4 | EMERGENCY TELEPHONE | 111-100-200 |

2. COMPOSITION/ INFORMATION ON INGREDIENTS

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|-----|-----------------------|--|---------|-----------|------|
| 2.1 | CHEMICAL DESCRIPTION | SURFACTANT BLEND CONTAINING AN ORGANIC SOLVENT | | | |
| 2.2 | HAZARDOUS INGREDIENTS | C.P.I CLASS | CAS No. | EINECS NO | WT % |
| | NONE | N.A | NA | N.A | >10 |

3. HAZARDS IDENTIFICATION

THIS PRODUCT CONTAINS NO HAZARDOUS MATERIAL



4. FIRST AID MEASURES

4.1	EYE CONTACT	FLUSH EYE LIBERALLY WITH WATER IF IRRITATION PERSIST, OBTAIN MEDICAL ATTENTION.
4.2	SKIN CONTACT	WASH SKIN WITH WATER, USING SOAP
4.3	INGESTION	TREAT SYMPTOMATICALLY
4.4	INHALATION	NOT APPLICABLE

5. FIRE EXTINGUISHING MEDIA

5.1	EXTINGUISHING MEDIA	WATER, MIST, CO2, DRY POWDER
5.2	FIRE AND EXPLOSION HAZARDS	THE PRODUCT IS NOT FLAMMABLE
5.3	PROTECTIVE MEASURES	NOT APPLICABLE

6. ACCIDENTAL RELEASE MEASURES

6.1	PERSONAL PRECAUTIONS	NONE
6.2	ENVIRONMENTAL PRECAUTIONS	NONE
6.3	CLEANING UP	ABSORB ONTO SAND OR SAW DUST AND SWEEP UP

7. STORAGE AND HANDLING

7.1	STORAGE	STORE AT ROOM TEMPERATURE
7.2	RECOMMENDED SHELF LIFE	12 MONTHS
7.3	HANDLING	HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE PRACTISES AND USUAL SAFETY MEASURES

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1	OCCUPATIONAL EXPOSURE LIMITS	CHEMICAL	50 PPM TLV (ACGIH)
8.2	ENGINEERING MEASURES	NONE	
8.3	PERSONAL PROTECTIVE EQUIPMENT		



RESPIRATORY PROTECTION	NOT REQUIRED
HAND PROTECTION	WEAR GLOVES
EYE PROTECTION	WEAR GOGGLES
SKIN PROTECTION	AVOID CONTACT WITH SKIN

9. PHYSICAL/ CHEMICAL PROPERTIES

9.1	APPEARANCE	PALE YELLOW LIQUID
9.2	ODOUR	PRODUCT SPECIFIC
9.3	PH	7.5–9.5
9.4	VISCOSITY	N.A
9.5	FREEZING POINT	NOT ASSESSED
9.6	FREEZE THAW RECOVERY	NOT ASSESSED
9.7	BOILING POINT	NOT ASSESSED
9.8	MELTING POINT	NOT ASSESSED
9.9	FLASH POINT	NOT ASSESSED
9.10	AUTOFLAMMABILITY	NOT APPLICABLE
9.11	EXPLOSIVE PROPERTIES	NOT APPLICABLE
9.12	VAPOUR PRESSURE	NOT ASSESSED
9.13	VAPOUR DENSITY	NOT ASSESSED
9.14	RELATIVE DENSITY	NOT ASSESSED
9.15	SOLUBILITY	SOLUBLE IN WATER.
9.16	PARTITION COEFFICIENT	NOT ASSESSED

10. STABILITY AND REACTIVITY

10.1	STABILITY	STABLE UNDER NORMAL WORKING CONDITIONS.
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10.2	CONDITIONS TO AVOID	NONE KNOWN
10.3	MATERIALS TO AVOID	NONE KNOWN
10.4	RECOMMENDED MATERIALS FOR EQUIPMENT	COMPATIBLE WITH MOST MATERIALS
10.5	HAZARDOUS DECOMPOSITION PRODUCTS	NONE KNOWN
11.	TOXICOLOGICAL INFORMATION	
11.1	SHORT TERM EFFECTS	
	EYE CONTACT	IRRITANT TO EYES
	SKIN CONTACT	IRRITANT TO SKIN
	INGESTION	VERY LOW TOXICITY
	INHALATION	CONTAINS TRICHLOROETHYLENE EXCESSIVE VAPOURS MAY CAUSE GIDDINESS & UNCONSCIOUSNESS
11.2	CHRONIC EFFECTS	PROLONGED CONTACT WITH SKIN MAY LEAD TO DERMATITIS
12.	ECOLOGICAL INFORMATION	
12.1	LC 50	N.A.
12.2	BOD	N.A.
12.3	COD	N.A.
12.4	OTHER	N.A.
13.	DISPOSAL CONSIDERATIONS	
	DISPOSE IN ACCORDANCE WITH LOCAL REGULATIONS i.e. TIPPING	
14.	TRANSPORT INFORMATION	
14.1	PACKAGING	200 & 50 Kg PACKING.
14.2	FREIGHT CLASSIFICATIONS	NOT APPLICABLE
	UN NUMBER	NOT APPLICABLE
	ADR NUMBER	NOT APPLICABLE



IMDG NUMBER	NOT APPLICABLE
PACKING GROUP	NOT APPLICABLE
TERM CARD	NOT APPLICABLE

15. REGULATORY INFORMATION

15.1	C.P.L CLASSIFICATION	NOT APPLICABLE
	HAZARD PICTOGRAM	Xi (IRRITANT)
	RISK PHRASES	R-20, R-21, R-36, R-38
	SAFETY PHRASES	S-23, S-24, S-25, S-26, S-28, S-51
15.2	OTHER LEGISLATION	NOT APPLICABLE

16. OTHER INFORMATION

	WATER POLLUTING CLASS (WGK)	2
	ISSUE NUMBER	4
		DATE FEB 2016