



LICISOL AN-HD

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 AN-HD |
| 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

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|-----|--------------|--|
| 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

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|-----|------------------------|--|
| 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

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|-----|-------------------------------|----------|--------------------|
| 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	COLOURLESS CLEAR LIQUID
9.2	ODOUR	PRODUCT SPECIFIC
9.3	PH	6 - 8
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.
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