LICISOL AN-SRA Conc.
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

1.1 CHEMICAL PRODUCT LICISOL AN-SRAConc
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

2.1 CHEMICAL DESCRIPTION SURFACTANT BLEND CONTAINING AN ORGANIC SOLVENT

2.2 HAZARDOUS INGREDIENTS
   C.P.L 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  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 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
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