1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND THE COMPANY

1.1 CHEMICAL PRODUCT
SOFTICIL ESP

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
QUARTERNISED AMMONIUM SALT DERIVATIVE

2.2 HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>C.P.L CLASS</th>
<th>CAS No.</th>
<th>EINECS NO</th>
<th>WT %</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td>N.A</td>
<td>NA</td>
<td>N.A</td>
</tr>
</tbody>
</table>
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    NOT REQUIRED
5.2 FIRE AND EXPLOSION HAZARDS    THE PRODUCT IS NOT FLAMMABLE

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 PROTECT FROM FROST
7.2 RECOMMENDED SHELF LIFE    12 MONTHS
7.3 HANDLING    HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE
                  PRACTICES AND USUAL SAFETY MEASURES

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 OCCUPATIONAL EXPOSURE LIMITS CHEMICAL    NONE
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    LIGHT YELLOW TO OFF WHITE POURABLE PASTE
9.2 ODOUR     CHARACTERISTIC OF FATTY ACID
9.3 PH     4.0 – 6.0
9.4 SOLUBILITY    DISPERSABLE IN HOT WATER

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    NOT ASSESSED
    INHALATION    NOT ASSESSED

11.2 CHRONIC EFFECTS    NONE
12. **ECOLOGICAL INFORMATION**

12.1 Acute fish toxicity: LC 50 > 5-30 mg product/l

12.2 Acute Bacteria Toxicity: EC 50 > 30 mg product/l

13. **DISPOSAL CONSIDERATIONS**

   DISPOSE IN ACCORDANCE WITH LOCAL REGULATIONS i.e. TIPPING

14. **TRANSPORT INFORMATION**

14.1 PACKAGING 175 Kg PACKING

14.2 FREIGHT CLASSIFICATIONS Xi

   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

   RISK PHRASES R-36
   SAFETY PHRASES S-26

15.2 OTHER LEGISLATION NOT APPLICABLE

16. **OTHER INFORMATION**

   WATER POLLUTING CLASS (WGK) = 1

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