1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND THE COMPANY

1.1 CHEMICAL PRODUCT

RENIZYME AN-AAC

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

AQUEOUS SOLUTION OF AN ENZYME AND ELECTROLYTE SALT

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>C.P.L CLASS</th>
<th>CAS No.</th>
<th>EINECS NO</th>
<th>WT %</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENZYME DUST</td>
<td>N.A</td>
<td>NA</td>
<td>N.A</td>
<td>&gt;5%</td>
</tr>
</tbody>
</table>
3. HAZARDS IDENTIFICATION

MAY CAUSE SKIN IRRITATION. MAY CAUSE EYE IRRITATION. FORMATION OF DUST OR AEROSOLS

4. FIRST AID MEASURES

4.1 EYE CONTACT    FLUSH EYE LIBERALLY WITH WATER IF IRRITATION PERSISTS
                  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, FOAM, HALONES

5.2 FIRE AND EXPLOSION HAZARDS    THE PRODUCT IS NOT FLAMMABLE

5.3 PROTECTIVE MEASURES    NO SPECIAL REQUIREMENTS

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS    NONE

6.2 ENVIRONMENTAL    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    03 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 >0.1%

8.2 ENGINEERING MEASURES
NONE

8.3 PERSONAL PROTECTIVE EQUIPMENT
RESPIRATORY PROTECTION WEAR DUST MASK
HAND PROTECTION WEAR GLOVES
EYE PROTECTION WEAR GOGGLES
SKIN PROTECTION AVOID CONTACT WITH SKIN

9. PHYSICAL/ CHEMICAL PROPERTIES

9.1 APPEARANCE LIGHT YELLOW CLEAR LIQUID

9.2 ODOUR SLIGHT FERMENTATION ODOUR

9.3 Ph 5 - 6.5

9.4 VISCOSITY N.A

9.5 FREEZING POINT N.A

9.6 FREEZE THAW RECOVERY NOT ASSESSED

9.7 BOILING POINT N.A

9.8 MELTING POINT N.A

9.9 FLASH POINT N.A

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  DISPERSIBLE IN WATER.
9.16 PARTITION COEFFICIENT  NOT APPLICABLE

10. STABILITY AND REACTIVITY
10.1 STABILITY  03 MONTHS
10.2 CONDITIONS TO AVOID  AVOID FORMATIONS OF DUST OR AEROSOLS.AVOID SPLASHING AND HIGH PRESSURE WASHING
10.3 MATERIALS TO AVOID  NONE KNOWN
10.4 RECOMMENDED MATERIALS FOR EQUIPMENT  COMPATIBLE WITH ALL MATERIALS
10.5 HAZARDOUS DECOMPOSITION PRODUCTS  NONE KNOWN

11. TOXICOLOGICAL INFORMATION
11.1 SHORT TERM EFFECTS
   EYE CONTACT  WASH IMMEDIATELY WITH PLENTY OF WATER.IF IRRITATION PERSIST SEEK MEDICAL ATTENTION
   SKIN CONTACT  WASH IMMEDIATELY WITH PLENTY OF WATER.IF IRRITATION PERSIST SEEK MEDICAL ATTENTION
   INGESTION  ORAL LD 50 >2g/Kg. CLASSIFIED AS NON TOXIC
   INHALATION  INHALATION OF DUST OR AEROSOLS RESULTING FROM INAPPROPRIATE HANDLING.MAY CAUSE RESPIRATORY ALLERGY IN SUSCEPTIBLE INDIVIDUALS
11.2 CHRONIC EFFECTS  N.A
12. ECOLOGICAL INFORMATION

12.1 LC 50 \hspace{2cm} N.A.
12.2 BOD \hspace{2cm} N.A.
12.3 COD \hspace{2cm} N.A.
12.4 OTHER \hspace{2cm} N.A.

13 DISPOSAL CONSIDERATIONS

SPILLED PRODUCT SHOULD BE REMOVED IMMEDIATELY TO AVOID FORMATION OF DUST FROM DRIED PROUCT REMOVE BY MECHANICAL MEANS. DILUTE REMAINDER WITH PLENTY OF WATER (AVOID FORMATION OF AEROSOLS) PROVIDE FOR SUFFICIENT VENTILLATION.

14. TRANSPORT INFORMATION

14.1 PACKAGING \hspace{2cm} 60 & 30 Kg PACKING
14.2 FREIGHT CLASSIFICATIONS \hspace{2cm} NOT APPLICABLE
    UN NUMBER \hspace{2cm} NOT APPLICABLE
    ADR NUMBER \hspace{2cm} NOT APPLICABLE
    IMDG NUMBER \hspace{2cm} NOT APPLICABLE
    PACKING GROUP \hspace{2cm} NOT APPLICABLE
    TERM CARD \hspace{2cm} NOT APPLICABLE

15 REGULATORY INFORMATION

15.1 C.P. L CLASSIFICATION \hspace{2cm} NOT APPLICABLE
    HAZARD PICTOGRAM \hspace{2cm} N.A
    RISK PHRASES \hspace{2cm} N.A
    SAFETY PHRASES \hspace{2cm} N.A
15.2 OTHER LEGISLATION NOT APPLICABLE

16. OTHER INFORMATION

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