



RENIZYME AN-AAC

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	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			
2.2	HAZARDOUS INGREDIENTS	C.P.L CLASS	CAS No.	EINECS NO	WT %
	ENZYME DUST	N.A	NA	N.A	>5%



3. HAZARDS IDENTIFICATION

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

4. FIRST AID MEASURES

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|-----|--------------|---|
| 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 INAPPOPRIATE HANDLING.MAY CAUSE RESPIRATORY ALLERGY IN SUSCEPTBLE INDIVIDUALS

11.2 CHRONIC EFFECTS N.A



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

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

14. TRANSPORT INFORMATION

14.1	PACKAGING	60 & 30 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	N.A
	RISK PHRASES	N.A
	SAFETY PHRASES	N.A



ICI PAKISTAN LTD.

ICI Pakistan Limited
Chemical Business

15.2 OTHER LEGISLATION NOT APPLICABLE

16. OTHER INFORMATION

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