



METACIL AN-WD

ICI Pakistan Ltd.

5 WEST WHARF KARACHI

EMERGENCY TELEPHONE: 111-100-200

SECTION NUMBER AND HEADING

1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND THE COMPANY
2. COMPOSITION/ INFORMATION ON INGREDIENTS
3. HAZARDS IDENTIFICATION
4. FIRST AID MEASURES
5. FIRE FIGHTING MEASURES
6. ACCIDENTAL RELEASE MEASURES
7. STORAGE AND HANDLING
8. EXPOSURE CONTROLS/ PERSONAL PROTECTION
9. PHYSICAL/ CHEMICAL PROPERTIES
10. STABILITY AND REACTIVITY
11. TOXICOLOGICAL INFORMATION
12. ECOLOGICAL INFORMATION
13. DISPOSAL CONSIDERATIONS
14. TRANSPORT INFORMATION
15. REGULATORY INFORMATION
16. OTHER INFORMATION

1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND THE COMPANY

1.1	CHEMICAL PRODUCT	METACIL AN-WD
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	BLEND OF ANIONIC SEQUESTERING CHEMICALS, POLYMERIC DISPERSING AGENTS, METAL SALTS.			
2.2	HAZARDOUS NONE	C.P.I CLASS N.A	CAS No. NA	EINECS NO N.A	WT % INGREDIENTS N.A



3. HAZARDS IDENTIFICATION

WARNING STATEMENT:

CAUTION: CONTACT WITH THE EYES AND SKIN MAY RESULT IN IRRITATION. INHALATION OF THE VAPORS OR MISTS MAY RESULT IN RESPIRATORY IRRITATION. INGESTION MAY RESULT IN GASTRIC DISTURBANCES.

4. FIRST AID MEASURES

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| 4.1 | EYE CONTACT | IMMEDIATELY FLUSHES EYES WITH CLEAN WATER AND GET IMMEDIATE EMERGENCY MEDICAL ATTENTION. |
| 4.2 | SKIN CONTACT | DO NOT CONTACT LONG TERM WITH SKIN, IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER. |
| 4.3 | INGESTION | RINSE MOUTH OUT WITH WATER, GET IMMEDIATE EMERGENCY MEDICAL ATTENTION. |
| 4.4 | INHALATION | IF DIFFICULTIES OCCUR AFTER VAPOUR/AEOSOL HAS BEEN INHALED, REMOVE TO FRESH AIR AND SEEK MEDICAL ATTENTION. |

5. FIRE EXTINGUISHING MEDIA

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| 5.1 | EXTINGUISHING MEDIA | USE WATER FOG, FOAM OR DRY CHEMICAL EXTINGUISHING MEDIA. |
| 5.2 | FIRE AND EXPLOSION HAZARDS | THERE ARE NO KNOWN UNUSUAL FIRE OR EXPLOSION HAZARDS. |
| 5.3 | PROTECTIVE MEASURES | A SELF FULL OXYGEN BOTTLE CONTAINED BREATHING SHOULD BE USED TO QUENCH FIRE.SUGGESTED PROTECTIVE CLOTHING. |

6. ACCIDENTAL RELEASE MEASURES

GENERAL INFORMATION:

SPILLS SHOULD BE CONTAINED, SOLIDIFIED, AND PLACED IN SUITABLE CONTAINERS FOR DISPOSAL IN A LICENSED FACILITY. THIS MATERIAL IS NOT REGULATED BY RCRA OR CERCLA ("SUPERFUND"). WEAR APPROPRIATE RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING AND PROVIDE ADEQUATE VENTILATION DURING CLEAN-UP.



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| 6.1 | ENVIRONMENTAL | DO NOT ALLOW CHEMICAL TO ENTERS PRECAUTIONS WATER SOURCES AND SEWER SYSTEMS. |
| 6.2 | CLEANING UP | WASH THE CONTAMINATED AREA WITH PLENTY OF WATER. |

7. STORAGE AND HANDLING

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| 7.1 | HANDLING | WHEN HANDLING ALL CHEMICALS. OBSERVE GOOD STANDARDS OF INDUSTRIALHYGIENE. |
| 7.2 | STORAGE | KEEP ONLY THE ORIGINAL CONTAINER IN A WELL-VENTILATED PLACE AWAY FROM EXCESS HEAT AND COOL KEEP CONTAINER TIGHTLY CLOSED. |

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

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| 8.1 | EYES: | CHEMICAL GOGGLES. |
| 8.2 | RESPIRATION: | APPROVED ORGANIC VAPOR MIST RESPIRATOR AS NECESSARY. |
| 8.3 | CLOTHING: | GLOVES, COVERALLS, APRON, AND BOOTS AS NECESSARY TO PREVENT CONTACT. |

9. PHYSICAL/ CHEMICAL PROPERTIES

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| 9.1 | APPEARANCE | DARK BROWN CLEAR LIQUID |
| 9.2 | ODOUR | CHARACTERISTICS |
| 9.3 | PH (10%) | 4.0-5.5 |
| 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	DISPERSABLE IN WATER
9.16	PARTITION COEFFICIENT	NOT ASSESSED

10. STABILITY AND REACTIVITY

10.1	STABILITY	STABLE
10.2	CONDITIONS TO AVOID	NONE KNOWN.
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	ACUTE TOXITY (LD50) > 2000 MG/KG	
11.2	RAT (ORAL) PRIMARY IRRITATION (SKIN) IRRITANT RABBIT (EYE) IRRITANT RABBIT	
11.3	ADVERSE EFFECTS IN MAN ADDITIONAL INFORMATION ACUTE TOXITY CALCULATED FROM THE KNOWN DATA ON THE COMPONENTS	
11.4	CHRONIC EFFECTS	N.A

12. ECOLOGICAL INFORMATION

BIOELIMINATION 90-100 %, DOC ANALYSIS OECD2B (MOD)

SUMMARY ELIMINATED BY BIODEGRADATION AND/OR ADSORPTION ONTO

EFFLUENT SLUDGE



ECOLOGICAL DATA

BACTERIAL TOXITY BST >300 MG/L

EC50 9 MG/L DIN 38412 PART 34

FISH TOXITY LC50 7.2 MG/L OECD 203

ADDITIONAL DATA:

BOD5 103 MGO2/G COD 960 MGO2/G TOC 24%

PHOSPHORUS CONTENT - %

ORGANOHALOGEN CONTENT - %

METAL CONTENT - % METAL CONTENT UNDER THE ETAD RECOMMENDED LIMITS.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

DISPOSE OF PRODUCT IN AUTHORIZED PLACES / METHODS IN OBSERVANCE WITH CURRENT LAW

CONTAINER DISPOSAL:

DISPOSE OF IN A LICENSED FACILITY. RECOMMEND CRUSHING OR OTHER MEANS TO PREVENT UNAUTHORIZED REUSE.

14. TRANSPORT INFORMATION

14.1	PACKAGING	200 & 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

15.2 HAZARD PICTOGRAM



RISK PHRASES N.A

SAFETY PHRASES N.A

15.3 OTHER LEGISLATION NOT APPLICABLE

16. OTHER INFORMATION

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