



CALABOND CT EXTRA

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

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| 1.1 | CHEMICAL PRODUCT | CALABOND CT EXTRA |
| 1.2 | APPLICATION | TEXTILE AUXILIARY |
| 1.2 | EMERGENCY TELEPHONE | 111-100-200 |
| 1.3 | COMPANY IDENTIFICATION | I.C.I Pakistan Ltd. |

2. COMPOSITION/ INFORMATION ON INGREDIENTS

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|-----|--------------------------|-----------------------------------|-------------|-----------|------|
| 2.1 | CHEMICAL DESCRIPTION | A DISPERSION OF VINYL BASED RESIN | | | |
| 2.2 | HAZARDOUS
INGREDIENTS | C.P.I CLASS | CAS No. | EINECS NO | WT % |
| | VINYL ACETATE
MONOMER | N.A | 108-05-4N.A | <1% | |



3. HAZARDS IDENTIFICATION

EYE CONTACT	MAY CAUSE EYE IRRITATION
SKIN CONTACT	MAY CAUSE SKIN IRRITATION
INGESTION	MAY CAUSE IRRITATION OF THE GASTROINTESTINAL TRACT
INHALATION	AT ROOM TEMPERATURE, VAPORS ARE NOT EXPECTED TO FORM. IF MATERIAL IS HEATED VAPOR CONCENTRATION MAY BECOME SUFFICIENT TO CAUSE RESPIRATORY IRRITATION.

4. FIRST AID MEASURES

4.1 EYE CONTACT	IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING THE UPPER AND LOWER EYELIDS. GET MEDICAL AID IF IRRITATION PERSIST
4.2 SKIN CONTACT	IMMEDIATELY FLUSH SKIN WITH PLENTY OF SOAP AND WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES
4.3 INGESTION	IMMEDIATELY CALLS PHYSICIAN. IF SWALLOWED, INDUCE VOMITING IMMEDIATELY AS DIRECTED BY MEDICAL PERSONNEL. IF PERSON VOMITS WHILE LYING ON HIS BACK, PLACE HIM IN AN UPRIGHT POSITION.
4.4 INHALATION	IF DIFFICULTIES OCCUR AFTER VAPOUR/AEOSOL HAS BEEN INHALED, REMOVE TO FRESH AIR AND SEEK MEDICAL ATTENTION.

5. FIRE EXTINGUISHING MEDIA

GENERAL INFORMATION	AS IN ANY FIRE, WEAR A SELF-CONTAINED BREATHING APPARATUS WITH PRESSURE ON DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT), AND FULL PROTECTIVE GEAR. PRODUCT WILL BURN IF INVOLVED IN A FIRE
5.1 EXTINGUISHING MEDIA	WATER, MIST, CO2, DRY POWDER
5.2 FIRE AND EXPLOSION HAZARDS	THE PRODUCT IS NOT FLAMMABLE
5.3 PROTECTIVE MEASURES	A SELF FULL OXYGEN BOTTLE CONTAINED BREATHING SHOULD BE USED TO QUENCH FIRE. SUGGESTED PROTECTIVE CLOTHING



6. ACCIDENTAL RELEASE MEASURES

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| 6.1 | PERSONAL PRECAUTIONS | AVOID DIRECT CONTACT WITH EYES. |
| 6.2 | ENVIRONMENTAL PRECAUTIONS | DO NOT ALLOW CHEMICAL TO ENTER WATER SOURCES AND SEWER SYSTEMS |
| 6.3 | CLEANING UP | CONTAIN SPILLAGES WITH SAND, EARTH OR ANY SUITABLE ADSORBENT MATERIAL. TRANSFER TO A CONTAINER FOR DISPOSAL. WASH THE SPILLAGE AREA. CLEAN WITH WATER AND DETERGENT. |

7. STORAGE AND HANDLING

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| 7.1 | STORAGE | KEEP ONLY THE ORIGINAL CONTAINER IN A WELL-VENTILATED PLACE AWAY FROM EXCESS HEAT AND COOL. KEEP CONTAINER TIGHTLY CLOSED. STORE AT ROOM TEMPERATURE. AVOID CONTACT WITH DIRECT SUNLIGHT. |
| 7.2 | RECOMMENDED SHELF LIFE | 06 MONTHS |
| 7.3 | HANDLING | HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE PRACTICES AND USUAL SAFETY MEASURES |

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

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| 8.1 | OCCUPATIONAL EXPOSURE LIMITS
CHEMICAL | 10 PPM TWA 8 (ACGIH)
15 PPM STEL (ACGIH) |
| 8.2 | ENGINEERING MEASURES | ENSURE ADEQUATE VENTILATION |
| 8.3 | PERSONAL PROTECTIVE EQUIPMENT | |
| | RESPIRATOR PROTECTION | NOT REQUIRED
(IN CASE REQUIRED: APPROVED ORGANIC VAPOR MIST) |
| | HAND PROTECTION | WEAR GLOVES |
| | EYE PROTECTION | WEAR GOGGLES |
| | SKIN PROTECTION | AVOID CONTACT WITH SKIN |

9. PHYSICAL/ CHEMICAL PROPERTIES

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| 9.1 | APPEARANCE | WHITE VISCOUS DISPERSION |
| 9.2 | ODOUR | NOT APPLICABLE |



9.3	pH	6 -8 (10% SOLUTION)
9.4	VISCOSITY	40 - 60 POISE @ 30 oC (AT ROTO THINNER)
9.5	FREEZING POINT	NOT ASSESSED
9.6	FREEZE THAW RECOVERY	NOT ASSESSED
9.7	BOILING POINT	NOT APPLICABLE
9.8	MELTING POINT	NOT APPLICABLE
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	DISPERSIBLE 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	IGNITION SOURCES
10.4	HAZARDOUS DECOMPOSITION PRODUCTS	OXIDES OF CARBON, SULPHUR AND NITROGEN
11.	TOXICOLOGICAL INFORMATION	
11.1	SHORT TERM EFFECTS	
	EYE CONTACT	IRRITANT TO EYES
	SKIN CONTACT	IRRITANT TO SKIN
	INGESTION	VERY LOW TOXICITY



	INHALATION	NOT APPLICABLE
11.2	CHRONIC EFFECTS	PROLONGED USE MAY CAUSE DERMATITIS
11.3	CARCINOGENICITY	NOT LISTED BY ACGIH, IARC, NIOSH, NTP, OR OSHA

12. ECOLOGICAL INFORMATION

12.1	LC 50	NOT ASSESSED
12.2	BOD	NOT ASSESSED
12.3	COD	NOT ASSESSED
12.4	OTHER	NOT ASSESSED

THE PRODUCT, BY ANALOGY, IS EXPECTED TO BE PARTIALLY BIODEGRADABLE. EXPECTED TO BE OF LOW TOXICITY TO AQUATIC LIFE. THE PRODUCT IS SUBSTANTIALLY REMOVED IN BIOLOGICAL TREATMENT PROCESSES.

13. DISPOSAL CONSIDERATIONS

DISPOSAL SHOULD BE IN ACCORDANCE WITH LOCAL, STATE OR NATIONAL LEGISLATION.

14. TRANSPORT INFORMATION

14.1	PACKAGING	200 Kg IRON DRUM OPEN MOUTH
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-36, R-38

15.2 SAFETY PHRASES S-24, S-25, S-26
OTHER LEGISLATION NOT APPLICABLE

16. OTHER INFORMATION

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