



CALABOND CT ECONO

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	CALABOND CT ECONO
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	A DISPERSION OF VINYL BASED RESIN			
2.2	HAZARDOUS INGREDIENTS	C.P.I CLASS	CAS No.	EINECS NO	WT %
	VINYL ACETATE MONOMER	N.A	108-05-4	N.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 OREQUIVALENT), 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

- 6.1 PERSONAL PRECAUTIONS AVOID DIRECT CONTACT WITH EYES.
- 6.2 ENVIRONMENTAL DO NOT ALLOW CHEMICAL TO ENTER PRECAUTIONS 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

- 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 PRACTISES AND USUAL SAFETY MEASURES

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

- 8.1 OCCUPATIONAL EXPOSURE LIMITS NOT ASSESSED

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
(INCASE REQUIRED: APPROVED ORGANIC VAPOR MIST)

HAND PROTECTION WEAR GLOVES

EYE PROTECTION WEAR GOGGLES

SKIN PROTECTION AVOID CONTACT WITH SKIN

9. PHYSICAL/ CHEMICAL PROPERTIES

- 9.1 APPEARANCE WHITE VISCOUS DISPERSION
- 9.2 ODOUR NOT APPLICABLE



9.3	pH	4 -8 (10% SOLUTION)
9.4	VISCOSITY	35 - 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 APPLICABLE
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

SAFETY PHRASES

S-24, S-25, S-26

15.2 OTHER LEGISLATION

NOT APPLICABLE

16. OTHER INFORMATION

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