



CALABOND LM

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 LM
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	C.P.L CLASS	CAS No.	EINECS NO	WT %
	INGREDIENTS				
	VINYL ACETATE	N.A	108-05-4	N.A	<1%
	MONOMER				



3. HAZARDS IDENTIFICATION

EYE CONTACT	MAY CAUSE EYE IRRITATION
SKIN CONTACT	MAY CAUSE SKIN IRRITATION
INGESTION	MAY CAUSE IRRITATION OF THEGASTROINTESTINAL 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.
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5.1 EXTINGUISHING MEDIA	WATER, MIST, CO2, DRY POWDER
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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 CHEMICAL	10 PPM TWA 8(ACGIH) 15 PPM STEL (ACGIH)
8.2	ENGINEERING MEASURES	ENSURE ADEQUATE VENTILATION
8.3	PERSONAL PROTECTIVE EQUIPMENT	
	RESPIRATORY 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	5-7 (10% SOLUTION)
9.4	VISCOSITY	65 - 85 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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