CALABOND ECO
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 ECO
1.2 APPLICATION ADHESIVE
1.2 EMERGENCY TELEPHONE 111-100-200
1.3 COMPANY IDENTIFICATION I.C.I Pakistan Ltd.

2. COMPOSITION/ INFORMATION ON INGREDIENTS

2.1 CHEMICAL DESCRIPTION A DISPERSION OF VINYL BASED RESIN
2.2 HAZARDOUS INGREDIENTS
   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 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 PRECAUSTIONS
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

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 (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 -6 (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
1 Kg Pouch or Bottle

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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