



## **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<br>INGREDIENTS | C.P.I CLASS                       | CAS No.     | EINECS NO | WT % |
|     | VINYL ACETATE<br>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**

|                                |   |
|--------------------------------|---|
| <b>GENERAL INFORMATION</b>     | 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**

- |     |                           |  |
|-----|---------------------------|--|
| 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**

- |     |                        |   |
|-----|------------------------|---|
| 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**

- |     |  |   |
|-----|--|---|
| 8.1 | OCCUPATIONAL EXPOSURE LIMITS<br>CHEMICAL | 10 PPM TWA 8(ACGIH)<br>15 PPM STEL (ACGIH)                      |
| 8.2 | ENGINEERING MEASURES                     | ENSURE ADEQUATE VENTILATION                                     |
| 8.3 | PERSONAL PROTECTIVE EQUIPMENT            |   |
|     | RESPIRATOR PROTECTION                    | NOT REQUIRED<br>(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**

|      |                       |   |
|------|-----------------------|---|
| 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

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

**16. OTHER INFORMATION**

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