CALABOND CT EXTRA
ICI Pakistan Ltd.
5 WEST WHARF KARACHI
EMERGENCY TELEPHONE: 111-100-200

SECTION NUMBER AND HEADING

1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND THE COMPANY
2. COMPOSITION/ INFORMATION ON INGREDIENTS
3. HAZARDS IDENTIFICATION
4. FIRST AID MEASURES
5. FIRE FIGHTING MEASURES
6. ACCIDENTAL RELEASE MEASURES
7. STORAGE AND HANDLING
8. EXPOSURE CONTROLS/ PERSONAL PROTECTION
9. PHYSICAL/ CHEMICAL PROPERTIES
10. STABILITY AND REACTIVITY
11. TOXICOLOGICAL INFORMATION
12. ECOLOGICAL INFORMATION
13. DISPOSAL CONSIDERATIONS
14. TRANSPORT INFORMATION
15. REGULATORY INFORMATION
16. OTHER INFORMATION

1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND THE COMPANY

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

2.1 CHEMICAL DESCRIPTION A DISPERSION OF VINYL BASED RESIN
2.2 HAZARDOUS INGREDIENTS
   VINYL ACETATE MONOMER N.A 108-05-4N.A <1%
   C.P.L CLASS CAS No. EINECS NO WT %
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/AEROSOL 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/NOSH (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 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 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 6 -8 (10% SOLUTION)
9.4 VISCOSITY 40 - 60 POISE @ 30°C (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

SAFETY PHRASES
    S-24, S-25, S-26

15.2 OTHER LEGISLATION
    NOT APPLICABLE

16. OTHER INFORMATION

ISSUE NUMBER 4  DATE  FEB 2016