Metacrop CDBL Premium
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 METACROP CDBL PREMIUM
1.2 APPLICATION CROP EMULSIFIER
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 Calcium alkyl benzene sulphonate
2.2 INGREDIENTS C.P.L CLASS CAS No. EINECS NO WT %
Calcium dodecylbenzene Sulphonate 26264-06-02 60-80 %
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 SPRAY JET, ALCOHOL RESISTANT FOAM, CO2 DRY POWDER.

5.2 **FIRE AND EXPLOSION HAZARDS**
THE PRODUCT IS FLAMMABLE (FLASH POINT 39 DEG C)

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. FOLLOW LOCAL REGULATIONS FOR DISPOSAL.

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 24 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

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 VISCOUS LIQUID

9.2 COLOR YELLOWISH TO BROWNISH
9.3 pH 7. APPROX (5% SOLUTION ETHANOL OR WATER 1:1)

9.4 VISCOSITY 3700 MPa.S @ 40 OC (AT BROOKFIELD VISCOMETER – RVT SP.2)

9.5 POUR POINT APPROX. -10 DEG C (METHOD ISO 3016)

9.6 FLASH POINT 39 DEG C (METHOD: EN 22719 – CLOSED CUP)

9.7 AUTOFLAMMABILITY > 500 DEG C

9.8 SOLUBILITY DISPERSIBLE IN WATER AND ETHANOL

10. STABILITY AND REACTIVITY

10.1 STABILITY STABLE UNDER NORMAL WORKING CONDITIONS.

10.2 CONDITIONS TO AVOID KEEP AWAY FROM HEAT, OPEN FLAMES, HOT SURFACES, SOURCES OF IGNITION

10.3 MATERIALS TO AVOID STRONG OXIDIZING AGENTS

10.4 HAZARDOUS DECOMPOSITION PRODUCTS NONE UNDER NORMAL CONDITIONS

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 1-10 MG/L (96 H)

12.2 BIODEGRADABILITY > 80 %

12.3 COD 2150 MG/G
13. **DISPOSAL CONSIDERATIONS**

DISPOSAL SHOULD BE IN ACCORDANCE WITH LOCAL, STATE OR NATIONAL LEGISLATION.

14. **TRANSPORT INFORMATION**

14.1 PACKAGING  
200 Kg

15. **REGULATORY INFORMATION**

15.1 C.P.L CLASSIFICATION  
NOT APPLICABLE

HAZARD PICTOGRAM  
Xi (IRRITANT)

16. **OTHER INFORMATION**

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