Metacrop CPN-10
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 CPN-10
1.2 APPLICATION CROP EMULSIFIER (NON-ANIONIC)
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 ALKYL PHENOL ETHOXYLATE
2.2 INGREDIENTS C.P.L CLASS CAS No. EINECS NO WT %

Alkyl Phenol Ethoxylate - 9016-45-9 - 98-100 %
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/NIOSH (APPROVED OR EQUIVALENT), 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 INFLAMMABLE (FLASH POINT >94 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
KEEP CONTAINER TIGHTLY CLOSED. STORE AT ROOM TEMPERATURE.

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
CLEAR LIQUID AT 40 – 50 DEG C

9.2 COLOR
WHITE AT TEMPERATURE BELOW 20 DEG C

9.3 PH
6 – 8. APPROX 10 % AQUEOUS SOLUTION)
9.4 VISCOSITY 280 cps at 25°C
9.5 POUR POINT NA
9.6 FLASH POINT >94 DEG C (METHOD: EN 22719 – CLOSED CUP)
9.7 AUTOFLAMMABILITY NA
9.8 SOLUBILITY SOLUBLE IN WATER

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 (LD50 > 1400 mg/kg
12.2 BIODEGRADABILITY > 80 %
12.3 COD 1.42 mg/mg
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**

ISSUE NUMBER 1 DATE March 2015