



Metacrop CDBL Premium

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	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.I 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	BIODEGRADEBILITY	> 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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