

## MOBIL OIL CORPORATION MATERIAL SAFETY DATA BULLETIN

REVISED:11/30/93

\*\*\*\*\* I. PRODUCT IDENTIFICATION \*\*\*\*\*  
MOBILCER A

SUPPLIER:	24-HOUR EMERGENCY (CALL COLLECT):
MOBIL OIL CORP.	(609) 737-4411
CHEMICAL NAMES AND SYNONYMS:	CHEMTREC:
PETROLEUM EMULSION	(800) 424-9300
USE OR DESCRIPTION:	PRODUCT AND MSDS INFORMATION:
WAX EMULSION	(800) 662-4525

\*\*\*\*\* II. TYPICAL CHEMICAL AND PHYSICAL PROPERTIES \*\*\*\*\*

APPEARANCE: Milky Buff Liquid	ODOR: Bland	PH: 7.1
VISCOSITY AT 40 C, CS: NA		
VISCOSITY AT 100 C, CS: NA		
FLASH POINT F(C): NE		
MELTING POINT F(C): 40(4)	POUR POINT F(C): NA	
BOILING POINT F(C): > 212(100)	VOC: < 1.00(Wt. %); 0.083 lbs/gal	
RELATIVE DENSITY, 15/4 C: 1	SOLUBILITY IN WATER: Emulsifies	
VAPOR PRESSURE-mm Hg 20C: 17.5		

NA=Not Applicable NE=Not Established D=Decomposes  
FOR FURTHER INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE.

\*\*\*\*\* III. POTENTIALLY HAZARDOUS INGREDIENTS \*\*\*\*\*

Wt. %	Source	EXPOSURE LIMITS		NOTE
		TWA ppm mg/m3	STEL ppm mg/m3	
FORMALDEHYDE (50-00-0)	0.07%			
	MOBIL	1	2	
	OSHA	0.75	2	
	ACGIH		0.3	0.37 CEIL

See Sections XII and XIII for regulatory and further compositional data.  
NOTE: Limits shown for guidance only. Follow applicable regulations.

\*\*\*\*\* IV. HEALTH HAZARD DATA \*\*\*\*\*

--- INCLUDES AGGRAVATED MEDICAL CONDITIONS, IF ESTABLISHED ---  
EFFECTS OF OVEREXPOSURE: Exposure to airborne concentrations of formaldehyde in excess of 0.1 ppm may cause discomfort in the stomach and pharynx and irritation of the eyes, nose and throat of some individuals. Sensitization may also occur in some individuals.

85532

\*\*\*\*\* V. EMERGENCY AND FIRST AID PROCEDURES \*\*\*\*\*  
--- FOR PRIMARY ROUTES OF ENTRY ---

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.

SKIN CONTACT: Wash contact areas with soap and water.

INHALATION: Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance and call a physician. If breathing has stopped, use mouth to mouth resuscitation.

INGESTION: Not expected to be a problem. However, if greater than 1/2 liter (pint) ingested, immediately give 1 to 2 glasses of water and call a physician, hospital emergency room or poison control center for assistance. Do not induce vomiting or give anything by mouth to an unconscious person.

\*\*\*\*\* VI. FIRE AND EXPLOSION HAZARD DATA \*\*\*\*\*

FLASH POINT F(C): NE

FLAMMABLE LIMITS. LEL: NE UEL: NE

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.

SPECIAL FIRE FIGHTING PROCEDURES: This material will not burn; however, use standard chemical fire fighting procedures and consider the hazards of other involved materials. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Wax will burn if water evaporates from emulsion. May generate irritating vapors when burning.

NFPA HAZARD ID: Health: 0, Flammability: 0, Reactivity: 0

\*\*\*\*\* VII. REACTIVITY DATA \*\*\*\*\*

STABILITY (Thermal, Light, etc.): Stable

CONDITIONS TO AVOID: Heat. Heat produces dehydration. Freezing temperatures.

INCOMPATIBILITY (Materials to Avoid): Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Paraffin fume.

HAZARDOUS POLYMERIZATION: Will not occur.

\*\*\*\*\* VIII. SPILL OR LEAK PROCEDURE \*\*\*\*\*

ENVIRONMENTAL IMPACT: Report spills as required to appropriate authorities. U. S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

WASTE MANAGEMENT: The product is suitable for processing by an approved recycling facility or can be disposed of at any government approved waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of

## \*\*\*\*\* IX. SPECIAL PROTECTION INFORMATION \*\*\*\*\*

**EYE PROTECTION:** Normal industrial eye protection practices should be employed.

**SKIN PROTECTION:** If prolonged or repeated skin contact is likely, impervious gloves should be worn. Good personal hygiene practices should always be followed.

**RESPIRATORY PROTECTION:** No special requirements under ordinary conditions of use and with adequate ventilation.

**VENTILATION:** Use in well ventilated area.

## \*\*\*\*\* X. SPECIAL PRECAUTIONS \*\*\*\*\*

**HANDLING:** Avoid prolonged repeated skin contact and breathing mists/vapors.

**STORAGE:** Keep from freezing.

**MATERIALS MUST BE LABELED AS FOLLOWS:** See Appendix for Precautionary Label: MPL-205

## \*\*\*\*\* XI. TOXICOLOGICAL DATA \*\*\*\*\*

## ---ACUTE TOXICOLOGY---

**ORAL TOXICITY (RATS):** Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

**DERMAL TOXICITY (RABBITS):** Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

**INHALATION TOXICITY (RATS):** Practically non-toxic (LC50: greater than 5 mg/l). ---Based on testing of similar products and/or the components.

**EYE IRRITATION (RABBITS):** Practically non-irritating. (Draize score: 0 or greater but 6 or less). ---Based on testing of similar products and/or the components.

**SKIN IRRITATION (RABBITS):** Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3). ---Based on testing of similar products and/or the components.

## ---CHRONIC TOXICOLOGY (SUMMARY)---

\*\*\*\*This product contains formaldehyde which has caused nasal cancer at 15 ppm in rats. NIOSH recommends formaldehyde be handled as a suspected human carcinogen.

## ---SENSITIZATION (SUMMARY)---

Formaldehyde is known to cause sensitization in humans and has been used as a positive control for skin sensitization studies.

## \*\*\*\*\* XII. REGULATORY INFORMATION \*\*\*\*\*

**GOVERNMENTAL INVENTORY STATUS:** All components comply with TSCA.

**Transport Information:** Please see Section XIV.

**US OSHA HAZARD COMMUNICATION STANDARD:** This product may be capable of generating 0.1 ppm or greater formaldehyde vapors under certain use conditions. According to OSHA, 29 CFR Part 1910.1048, formaldehyde vapors may be considered hazardous if workplace airborne concentrations exceed 0.1 ppm.

RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES:  
CHRONIC ACUTE

This product contains no chemicals reportable under SARA (313) toxic release program.

THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE LISTS BELOW:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
PARAFFIN WAX FUME		1, 10, 19, 20, 23
FORMALDEHYDE (0.07%)	50-00-0	1, 3, 5, 7, 9, 17, 22, 25

--- REGULATORY LISTS SEARCHED ---

1 = ACGIH ALL	6 = IARC 1	11 = TSCA 4	17 = CA P65	22 = MI 293
2 = ACGIH A1	7 = IARC 2A	12 = TSCA 5a2	18 = CA RTK	23 = MN RTK
3 = ACGIH A2	8 = IARC 2B	13 = TSCA 5e	19 = FL RTK	24 = NJ RTK
4 = NTP CARC	9 = OSHA CARC	14 = TSCA 6	20 = IL RTK	25 = PA RTK
5 = NTP SUS	10 = OSHA Z	15 = TSCA 12b	21 = LA RTK	26 = RI RTK

CARC = CARCINOGEN; SUS = SUSPECTED CARCINOGEN

NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBS.

\*\*\*\*\* XIII. INGREDIENTS \*\*\*\*\*

INGREDIENT DESCRIPTION	PERCENT	CAS NUMBER
CONTAINS THE FOLLOWING:		
PETROLATUM	> 15.00	8009-03-8
WATER	< 50.00	7732-18-5
NAPHTHALENESULFONIC ACID, POLYMER WITH	< 2.00	9084-06-4
FORMALDEHYDE, SODIUM SALT		
GUM GHATTI	< 2.00	9000-28-6
FORMALDEHYDE	0.07	50-00-0
METHANOL	0.02	67-56-1
SODIUM HYDROXIDE	0.01	1310-73-2

\*\*\*\*\* XIV. TRANSPORT AND LABEL INFORMATION \*\*\*\*\*

USA DOT: NOT REGULATED BY USA DOT.

IMO: NOT REGULATED BY IMO.

IATA: NOT REGULATED BY IATA.

Precautionary Label Text:

CONTAINS FORMALDEHYDE.

ATTENTION!

POTENTIAL CANCER HAZARD.

PRODUCT MAY BE CAPABLE OF GENERATING > 0.1 PPM FORMALDEHYDE VAPORS UNDER CERTAIN USE CONDITIONS.

AVOID BREATHING VAPORS AND MISTS.  
KEEP CONTAINER CLOSED.  
USE WITH ADEQUATE VENTILATION  
WASH THOROUGHLY AFTER HANDLING.

FIRST AID: IF INHALED, REMOVE TO FRESH AIR.  
IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION,  
PREFERABLY MOUTH-TO-MOUTH.  
IF BREATHING IS DIFFICULT, GIVE OXYGEN.

FOR INDUSTRIAL USE ONLY.

NOT INTENDED OR SUITABLE FOR USE IN  
OR AROUND A HOUSEHOLD OR DWELLING.

ATTENTION.

EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE  
INCLUDING FLAMMABLE OR EXPLOSIVE VAPORS.  
DO NOT CUT, PUNCTURE OR WELD ON OR NEAR CONTAINER.  
ALL LABEL WARNINGS AND PRECAUTIONS MUST BE OBSERVED  
UNTIL THE CONTAINER HAS BEEN THOROUGHLY CLEANED OR  
DESTROYED.

REFER TO PRODUCT MATERIAL SAFETY DATA BULLETIN FOR FURTHER  
SAFETY AND HEALTH INFORMATION.

MPL-205 (12/92)

\*\*\*\*\* APPENDIX \*\*\*\*\*  
FOR MOBIL USE ONLY: MHC: 1\* 1\* 1\* 0\* 1\*, MPPEC: A, PPEC:, US93-046  
APPROVE CCODE:6 02/01/93 REQ: US - MARKETING

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INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.  
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PREPARED BY: MOBIL OIL CORPORATION  
ENVIRONMENTAL HEALTH AND SAFETY DEPARTMENT, PRINCETON, NJ  
FOR FURTHER INFORMATION, CONTACT:  
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