

Mobil

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MATERIAL SAFETY DATA BULLETIN

1. PRODUCT AND COMPANY IDENTIFICATION

APPROVAL DATE: 01/27/97

PRODUCT NAME: MOBILCER A
 SUPPLIER: MOBIL OIL CORP.
 AMERICAS MARKETING AND REFINING
 3225 GALLOW'S RD.
 FAIRFAX, VA 22037

24 - Hour Emergency (call collect): 609-737-4411
 Product and MSDS Information: 800-662-4525 703-849-5700
 CHEMTREC: 800-424-9300 202-483-7616

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: PETROLEUM EMULSION

INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH:

Substance Name	WT%
FORMALDEHYDE (50-00-0)	<1

See Section 15 for European Label Information.

See Section 8 For exposure limits (if applicable).

3. HAZARDS IDENTIFICATION

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.

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.

EMERGENCY RESPONSE DATA: Milky Buff Emulsion. Wax will burn if water evaporates from emulsion. May generate irritating vapors when burning. DOT ERG No. - NA

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4. FIRST AID MEASURES

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.

5. FIRE-FIGHTING MEASURES

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.

Flash Point (C/F): NA Flammable limits LEL: NA, UEL: NA.

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

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Paraffin fume.

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: 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.

ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers or drains and contact with soil.

PERSONAL PRECAUTIONS: See Section 8

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 7. HANDLING AND STORAGE

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

STORAGE: Keep from freezing.

 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Use in well ventilated area.

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

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.

Substance Name (CAS No.)	Source	---TWA---		---STEL---		NOTE
		ppm	mg/m3	ppm	mg/m3	
FORMALDEHYDE (50-00-0)	MOBIL	1		2		
	OSHA	0.75		2		
	ACGIH			0.3	0.37	CEILING

NOTE: Limits shown for guidance only. Follow applicable regulations.

 9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet
 for specific details.

APPEARANCE: Emulsion

COLOR: Milky Buff

ODOR: Bland

ODOR THRESHOLD-ppm: NE

pH: 7.1

BOILING POINT C(F): > 100(212)

MELTING POINT C(F): 4(40)

FLASH POINT C(F): NA

FLAMMABILITY: NE

AUTO FLAMMABILITY: NA

EXPLOSIVE PROPERTIES: NA

OXIDIZING PROPERTIES: NA

VAPOR PRESSURE-mmHg 20 C: 17.5

VAPOR DENSITY: > 2.0

EVAPORATION RATE: NE

RELATIVE DENSITY, 15/4 C: 1

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SOLUBILITY IN WATER: Emulsifies
PARTITION COEFFICIENT: > 3.5
VISCOSITY AT 40 C. cSt: NA
VISCOSITY AT 100 C. cSt: NA
POUR POINT C(F): NA
FREEZING POINT C(F): NE
VOLATILE ORGANIC COMPOUND: EXEMPT IN U.S.
NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

10. STABILITY AND REACTIVITY

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.

11. 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): Not established
EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: greater than 6 but 15 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.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS: Not established.

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13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: 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 product characteristics at time of disposal.

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.

14. TRANSPORT INFORMATION

USA DOT: NOT REGULATED BY USA DOT.

RID/ADR: NOT REGULATED BY RID/ADR.

IMO: NOT REGULATED BY IMO.

IATA: NOT REGULATED BY IATA.

15. REGULATORY INFORMATION

Governmental Inventory Status: All components comply with TSCA.

EU Labeling: EU labeling not required.

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

SARA (311/312) REPORTABLE HAZARD CATEGORIES:
CHRONIC

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

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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 (10.072)	50-00-0	1, 3, 5, 7, 9, 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 2 15 = TSCA 12b 21 = LA RTK 26 = RI RTK

Code key: CARC = Carcinogen; SUS = Suspected Carcinogen

For more information, please contact your local health department or the National Institute for Occupational Safety and Health (NIOSH).

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Information provided is based on data available at the time of printing. It is not intended to be used as a substitute for professional advice. The user should consult with a qualified professional for more information.

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16. OTHER INFORMATION

Precautionary Label Text:

CONTAINS FORMALDEHYDE

CAUTION!

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

POTENTIAL CANCER HAZARD.

Avoid breathing mist or vapor. 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. Call a physician immediately.

For industrial use only. Not intended or suitable for use in or around a household or dwelling.

Empty container 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 container has been thoroughly cleaned or destroyed.

Refer to product Material Safety Data Bulletin for further safety and health information.

USE: WAX EMULSION

NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBs.

Please call the Customer Response Center on 800-662-4525 for formulation disclosure.

For Internal Use Only: MHC: 1* 1* NE 1* 1*. HPPEC: A, REQ: US -
MARKETING, SAFE USE: L

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