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MOBILITH SHC PM

Revised: 10/6/1999

Item Number: 4ZF48

Mfg. Model Number: MOBILITH SHC PM

644047-00 MOBILITH SHC PM MATERIAL SAFETY DATA BULLETIN

1. PRODUCT AND COMPANY IDENTIFICATION PRODUCT NAME: MOBILITH SHC PM SUPPLIER: MOBIL OIL CORP. NORTH AMERICA MARKETING AND REFINING 3225 GALLOWS RD. FAIRFAX, VA 22037 24 - HOUR EMERGENCY (CALL COLLECT): 609-737-4411 609-224-4644 PRODUCT AND MSDS INFORMATION: 800-662-4525 202-483-7616 800-424-9300 CHEMTREC: 2. COMPOSITION/INFORMATION ON INGREDIENTS _____ CHEMICAL NAMES AND SYNONYMS: SYN. HYDROCARBONS AND ADDITIVES INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH: THIS PRODUCT IS NOT FORMULATED TO CONTAIN INGREDIENTS WHICH HAVE EXPOSURE LIMITS ESTABLISHED BY U.S. AGENCIES. IT IS NOT HAZARDOUS TO HEALTH AS DEFINED BY THE EUROPEAN UNION DANGEROUS SUBSTANCES/PREPARATIONS DIRECTIVES. SEE SECTION 15 FOR A REGULATORY ANALYSIS OF THE INGREDIENTS. SEE SECTION 15 FOR EUROPEAN LABEL INFORMATION. SEE SECTION 8 FOR EXPOSURE LIMITS (IF APPLICABLE). 3. HAZARDS IDENTIFICATION _____ US OSHA HAZARD COMMUNICATION STANDARD: PRODUCT ASSESSED IN ACCORDANCE WITH OSHA 29 CFR 1910.1200 AND DETERMINED NOT TO BE HAZARDOUS. EFFECTS OF OVEREXPOSURE: NO SIGNIFICANT EFFECTS EXPECTED. EMERGENCY RESPONSE DATA: LIGHT TAN GREASE. DOT ERG NO. - NA _____ 4. FIRST AID MEASURES EYE CONTACT: FLUSH THOROUGHLY WITH WATER. IF IRRITATION OCCURS, CALL A PHYSICIAN.

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into MSDS: 2/27/2003

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SKIN CONTACT: WASH CONTACT AREAS WITH SOAP AND WATER. HIGH PRESSURE ACCIDENTAL INJECTION THROUGH THE SKIN REQUIRES IMMEDIATE MEDICAL ATTENTION FOR POSSIBLE INCISION, IRRIGATION AND/OR DEBRIDEMENT. INHALATION: 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: WATER OR FOAM MAY CAUSE FROTHING. USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURE. 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: NONE. FLASH POINT C(F): > 200(392) (ASTM D-92). FLAMMABLE LIMITS - LEL: NA, UEL: NA.

NFPA HAZARD ID: HEALTH: 0, FLAMMABILITY: 1, REACTIVITY: 0

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE. METAL OXIDES.

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: 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

7. HANDLING AND STORAGE

HANDLING: HIGH PRESSURE INJECTION UNDER THE SKIN MAY OCCUR DUE TO THE RUPTURE OF PRESSURIZED LINES. ALWAYS SEEK MEDICAL ATTENTION. STORAGE: DO NOT STORE IN OPEN OR UNLABELLED CONTAINERS. STORE AWAY FROM STRONG OXIDIZING AGENTS OR COMBUSTIBLE MATERIAL.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.

RESPIRATORY PROTECTION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.

EYE PROTECTION: GENERALLY EYE CONTACT IS UNLIKELY WITH THIS TYPE MATERIAL. IF EYE CONTACT IS LIKELY, SAFETY GLASSES WITH SIDE SHIELDS OR CHEMICAL TYPE GOGGLES SHOULD BE WORN.

SKIN PROTECTION: IF PROLONGED OR REPEATED SKIN CONTACT IS LIKELY, OIL

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IMPERVIOUS GLOVES SHOULD BE WORN. GOOD PERSONAL HYGIENE
PRACTICES SHOULD ALWAYS BE FOLLOWED.
EXPOSURE LIMITS: THIS PRODUCT DOES NOT CONTAIN ANY COMPONENTS WHICH
HAVE RECOGNIZED EXPOSURE LIMITS.
9. PHYSICAL AND CHEMICAL PROPERTIES
______
TYPICAL PHYSICAL PROPERTIES ARE GIVEN BELOW. CONSULT PRODUCT DATA SHEET
FOR SPECIFIC DETAILS.
APPEARANCE: GREASE
COLOR: LIGHT TAN
ODOR: STRONG
ODOR THRESHOLD-PPM: NE
PH: NA
BOILING POINT C(F): > 316(600)
DROP POINT C(F): NA
FLASH POINT C(F): > 200(392) (ASTM D-92)
FLAMMABILITY: NE
AUTO FLAMMABILITY: NE
EXPLOSIVE PROPERTIES: NA
OXIDIZING PROPERTIES: NA
VAPOR PRESSURE-MMHG 20 C: NA
VAPOR DENSITY: NE
EVAPORATION RATE: NE
RELATIVE DENSITY, 15/4 C: 0.9
SOLUBILITY IN WATER: NEGLIGIBLE
PARTITION COEFFICIENT: NE
VISCOSITY AT 40 C, CST: > 414.0
VISCOSITY AT 100 C, CST: NE
POUR POINT C(F): NA
FREEZING POINT C(F): NE
VOLATILE ORGANIC COMPOUND: NE
NOTE: MOST PHYSICAL PROPERTIES FOR OIL COMPONENT.
     NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES
FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE
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10. STABILITY AND REACTIVITY
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STABILITY (THERMAL, LIGHT, ETC.): STABLE.
CONDITIONS TO AVOID: EXTREME HEAT.
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS.
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE. METAL OXIDES.
ELEMENTAL OXIDES.
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
INHALATION TOXICITY (RATS): NOT APPLICABLE ---HARMFUL CONCENTRATIONS
OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY
CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF
THIS PRODUCT.
EYE IRRITATION (RABBITS): PRACTICALLY NON-IRRITATING. (DRAIZE SCORE:
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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.

---OTHER TOXICOLOGY DATA---

THIS PRODUCT IS FORMULATED WITH A SYNTHETIC HYDROCARBON AS THE BASE STOCK. THE MOBIL ENVIRONMENTAL AND HEALTH SCIENCES LABORATORY HAS TESTED REPRESENTATIVE SYNTHETIC BASE STOCKS TO ASSESS THEIR POTENTIAL ADVERSE EFFECTS ON HUMAN HEALTH. ASSESSMENT OF HUMAN HEALTH EFFECTS WAS BASED ON ACUTE ORAL, DERMAL, AND INHALATION TOXICITY; EYE AND SKIN IRRITATION; SUBCHRONIC DERMAL TOXICITY AND REPRODUCTIVE STUDIES; GUINEA PIG SENSITIZATION; AND MUTAGENICITY AND CHROMOSOMAL DAMAGE ASSAYS. NONE OF THESE BASE STOCKS APPEARS TO POSE A HEALTH HAZARD TO HUMANS UNDER CONDITIONS OF EXPECTED USE.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS: NOT ESTABLISHED.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: PRODUCT IS SUITABLE FOR BURNING IN AN ENCLOSED, CONTROLLED BURNER FOR FUEL VALUE OR DISPOSAL BY SUPERVISED INCINERATION. SUCH BURNING MAY BE LIMITED PURSUANT TO THE RESOURCE CONSERVATION AND RECOVERY ACT. IN ADDITION, THE PRODUCT IS SUITABLE FOR PROCESSING BY AN APPROVED RECYCLING FACILITY OR CAN BE DISPOSED OF AT AN APPROPRIATE GOVERNMENT 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: NONE.

THIS PRODUCT CONTAINS NO CHEMICALS REPORTABLE UNDER

SARA (313) TOXIC RELEASE PROGRAM.

THIS PRODUCT HAS BEEN AUTHORIZED BY USDA FOR USE UNDER THE FOLLOWING CATEGORY: H2 - LUBRICANTS WITH NO FOOD CONTACT

2/27/2003

CHEMICAL MAIN	CAS NUMBER	LISTS BELOW:
LITHIUM HYDROXIDE MONOHYDRATE		
(0.15%) LITHIUM-SOAP THICKENER (7.41%) HEXANEDIOIC ACID, MONOMETHYL ESTER,	7620-77-1 64601-11-2	22 22
LITHIUM SALT (2.38%) PENTANEDIOIC ACID, MONOMETHYL	64601-12-3	
ESTER, LITHIUM SALT (0.34%) FATTY ACIDS, C16-22, LITHIUM SALTS (3.82%)	68783-36-8	22
PECITATORY LISTS S	EARCHED	
1 ACCTU ATT. 6=TARC 1 11=TSCA 4	16=CA P65 C	ARC 21=LA RTK
2-ACCTH A1 7=TARC 2A 12=TSCA 5A2	17=CA P65 R	EPRO ZZ-MI ZJJ
3-ACCTW A2 8=TARC 2B 13=TSCA 5E	18=CA RTK	23=MN RTK
4-AURD CARC 9=OSHA CARC 14=TSCA 6	19=FL RTK	24=NJ RTK
5=NTP SUS 10=OSHA Z 15=TSCA 12B	20=1L RTK	25=PA RTK
		26=RI RTK
CODE KEY: CARC=CARCINOGEN; SUS=SUSPECTED CARCINOGEN; REPRO=REPRODUCTIVE		
CODE REI. CARC-CITIONIO		
16. OTHER INFORMATION		
USE: PAPER MACHINE GREASE NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBS.		
	med OM 800-66	2_4525 FOR FORMULATION
PLEASE CALL THE CUSTOMER RESPONSE CENTER ON 800-662-4525 FOR FORMULATION DISCLOSURE.		
FOR INTERNAL USE ONLY: MHC: 1* 1* NA 1* 1*, MPPEC: A, TRN: 644047-00, GLIS: 400422, CMCS97: 971123, REQ: US - MARKETING, SAFE USE: L		
EHS APPROVAL DATE: 060CT1999		
TECNLY REQUIRED INFORMATION IS GIVEN IN ACCORDANCE WITH APPLICABLE		
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