



SNAP-ON TOOLS

IME # SPP526

IM6

667113

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MOBIL OIL CORPORATION MATERIAL SAFETY DATA BULLETIN

REVISED: 01/12/89

\*\*\*\*\* I. PRODUCT IDENTIFICATION \*\*\*\*\*  
MOBILARMA 522

SUPPLIER:

MOBIL OIL CORP.

CHEMICAL NAMES AND SYNONYMS:

PET. HYDROCARBONS AND ADDITIVES

USE OR DESCRIPTION:

RUST PREVENTIVE LUBRICANT

HEALTH EMERGENCY TELEPHONE: \*

(212) 883-4411

TRANSPORT EMERGENCY TELEPHONE:

(800) 424-9300 (CHEMTREC)

PRODUCT TECHNICAL INFORMATION:

(800) 662-4525

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

APPEARANCE: ASTM 5.0 LIQUID

ODOR: MILD

PH: NA

VISCOSITY AT 100 F, SUS: 150.0 AT 40 C, CS: 29.0

VISCOSITY AT 210 F, SUS: 43.0 AT 100 C, CS: 5.0

FLASH POINT F(C): > 360(182) (ASTM D-92)

MELTING POINT F(C): NA

POUR POINT F(C): -10(-23)

BOILING POINT F(C): > 600(316)

RELATIVE DENSITY, 15/4 C: 0.86

SOLUBILITY IN WATER: NEGLIGIBLE

VAPOR PRESSURE-MM HG 20C: < .1

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

FOR FURTHER INFORMATION, CONTACT YOUR LOCAL MARKETING OFFICE.

\*\*\*\*\* III. INGREDIENTS \*\*\*\*\*

WT PCT (APPROX)	EXPOSURE LIMITS (MG/M3)	SOURCES (PPH)	SOURCES (AND NOTES)
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POTENTIALLY HAZARDOUS INGREDIENTS:

NONE

OTHER INGREDIENTS:

REFINED MINERAL OILS >90

ADDITIVES AND/OR OTHER INGREDIENTS <10

SEE SECTION XII FOR COMPONENT REGULATORY INFORMATION.

SOURCES: A=ACGIH-TLV, A\*-SUGGESTED-TLV, M=MOBIL, O=OSHA, S=SUPPLIER

NOTE: LIMITS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

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

--- INCLUDES AGGRAVATED MEDICAL CONDITIONS, IF ESTABLISHED ---

THRESHOLD LIMIT VALUE: 5.00 MG/M3 SUGGESTED FOR OIL MIST

EFFECTS OF OVEREXPOSURE: SLIGHT SKIN IRRITATION.

\*\*\*\*\* V. EMERGENCY AND FIRST AID PROCEDURES \*\*\*\*\*

--- FOR PRIMARY ROUTES OF ENTRY ---

EYE CONTACT: FLUSH WITH WATER.

SKIN CONTACT: WASH CONTACT AREAS WITH SOAP AND WATER.

INHALATION: NOT EXPECTED TO BE A PROBLEM.

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.

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

FLASH POINT F(C): &gt; 360(182) (ASTM D-92)

FLAMMABLE LIMITS. LEL: .6 UEL: 7.0

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. FOR FIRES IN ENCLOSED

AREAS, FIREFIGHTERS MUST USE SELF-CONTAINED BREATHING APPARATUS.

PREVENT RUNOFF FROM FIRE CONTROL OR DILUTION FROM ENTERING STREAMS

OR DRINKING WATER SUPPLY.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

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

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

STABILITY (THERMAL, LIGHT, ETC.): STABLE

CONDITIONS TO AVOID: EXTREME HEAT

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE.

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.

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: 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 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.

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

EYE PROTECTION: NO SPECIAL EQUIPMENT REQUIRED.

SKIN PROTECTION: NO SPECIAL EQUIPMENT REQUIRED. HOWEVER, GOOD PERSONAL

HYGIENE PRACTICES SHOULD ALWAYS BE FOLLOWED.

RESPIRATORY PROTECTION: NO SPECIAL REQUIREMENTS UNDER ORDINARY

CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.

VENTILATION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE

AND WITH ADEQUATE VENTILATION.

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

NO SPECIAL PRECAUTIONS REQUIRED.



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

---ACUTE TOXICOLOGY---

ORAL TOXICITY (RATS): LD50: > 5 G/KG SLIGHTLY TOXIC (ESTIMATED) ---  
BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY (RABBITS): LD50: > 2 G/KG SLIGHTLY TOXIC (ESTIMATED) ---  
BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

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): EXPECTED TO BE NON-IRRITATING. EYE  
IRRITATION SCORES: 0.5 AT 1 HOUR, 0 AT 24 HOURS, 0 AT 48 HOURS, 0  
AT 72 HOURS---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE  
COMPONENTS.

SKIN IRRITATION (RABBITS): MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR  
REPEATED CONTACT. PRIMARY IRRITATION SCORE: .8/8---BASED ON  
TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

---SUBCHRONIC TOXICOLOGY (SUMMARY)---

SEVERELY SOLVENT REFINED AND SEVERELY HYDROTREATED MINERAL BASE OILS  
HAVE BEEN TESTED AT MOBIL ENVIRONMENTAL AND HEALTH SCIENCES  
LABORATORY BY DERMAL APPLICATION TO RATS 5 DAYS/WEEK FOR 90 DAYS AT  
DOSES SIGNIFICANTLY HIGHER THAN THOSE EXPECTED DURING NORMAL  
INDUSTRIAL EXPOSURE. EXTENSIVE EVALUATIONS INCLUDING MICROSCOPIC  
EXAMINATION OF INTERNAL ORGANS AND CLINICAL CHEMISTRY OF BODY  
FLUIDS, SHOWED NO ADVERSE EFFECTS.

---CHRONIC TOXICOLOGY (SUMMARY)---

THE BASE OILS IN THIS PRODUCT ARE SEVERELY SOLVENT REFINED AND/OR  
SEVERELY HYDROTREATED. TWO YEAR MOUSE SKIN PAINTING STUDIES OF  
SIMILAR OILS SHOWED NO EVIDENCE OF CARCINOGENIC EFFECTS.



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\*\*\*\*\* XII. REGULATORY INFORMATION \*\*\*\*\*  
GOVERNMENTAL INVENTORY STATUS: ALL COMPONENTS REGISTERED IN ACCORDANCE WITH TSCA.

D.O.T. SHIPPING NAME: NOT APPLICABLE

D.O.T. HAZARD CLASS: NOT APPLICABLE

US OSHA HAZARD COMMUNICATION STANDARD: PRODUCT ASSESSED IN ACCORDANCE WITH OSHA 29 CFR 1910.1200 AND DETERMINED NOT TO BE HAZARDOUS.

RCRA INFORMATION: THE UNUSED PRODUCT, IN OUR OPINION, IS NOT SPECIFICALLY LISTED BY THE EPA AS A HAZARDOUS WASTE (40 CFR, PART 261D); DOES NOT EXHIBIT THE HAZARDOUS CHARACTERISTICS OF IGNITABILITY, CORROSIVITY, OR REACTIVITY, AND IS NOT FORMULATED WITH THE METALS CITED IN THE EP TOXICITY TEST. HOWEVER, USED PRODUCT MAY BE REGULATED.

U.S. SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III: THIS PRODUCT CONTAINS NO "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (302) REPORTABLE HAZARD CATEGORIES: NONE

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  
\*\*\* NO REPORTABLE INGREDIENTS \*\*\*

--- KEY TO LIST CITATIONS ---

- 1 - OSHA 2, 2 - ACGIH, 3 - IARC, 4 - NTP, 5 - NCI,
- 6 - EPA CARC, 7 - NFPA 49, 8 - NFPA 325M, 9 - DOT HMT, 10 - CA RTK,
- 11 - IL RTK, 12 - MA RTK, 13 - MN RTK, 14 - NJ RTK, 15 - MI 293,
- 16 - FL RTK, 17 - PA RTK, 18 - CA P65.

--- NTP, IARC, AND OSHA INCLUDE CARCINOGENIC LISTINGS ---

NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBs.

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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 AFFAIRS AND TOXICOLOGY DEPARTMENT, PRINCETON, NJ  
FOR FURTHER INFORMATION, CONTACT:  
- MOBIL OIL CORPORATION, PRODUCT FORMULATION AND QUALITY CONTROL  
3225 GALLOWES ROAD, FAIRFAX, VA 22037 (703) 849-3265  
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\*\*\*\*\* APPENDIX \*\*\*\*\*  
 FOR MOBIL USE ONLY: (FILL NO: TSD068009) MCN: , MHC: 1\* 1\* NA 0\* 1\*,  
 MPPEC: , PPEC: , US82-126 APPROVE 09/24/82