

**MSDS DATA SHEET**

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Part Number: 12346468

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CHEMISTRI 10/10/03

DISPLAY MATERIAL SAFETY DATA SHEET 16:01:06

SCREEN QA06\_\_ KEY 0000941101,0000000018\_\_\_\_\_

FID#: 00305577 VER-DT: 05/30/00

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SECTION 01: CHEMICAL PRODUCT & COMPANY ID  
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PRODUCT PRIMARY NAME: MOBIL DELVAC 1200 SUPER 10W-30

PLANT SYNONYMS: GOODWRENCH ENGINE OIL

> MOTOR OIL SAE 10W-30 CG-4, CF-4, CF-2, CF/SH

> 12346468

> 12377913

SAFE USE CATEGORY AND DESCRIPTION: 04 -METAL WORKING FLUIDS AND LUBRICANTS

LAST UPDATED DATE: 2000-05-30

MANUFACTURER'S ID (MID): 000533232  
MANUFACTURER'S NAME: EXXONMOBIL OIL CORP.  
US 800-662-4525 EXT 0003  
MANUFACTURER'S MAILING ADDRESS:  
P.O. BOX 1031  
SEE MC82, ALL US MSDS USE THIS  
PRINCETON NJ 08540  
US

SECTION 1 - OTHER INFORMATION: CHEMICAL NAMES AND SYNONYMS: SEVERE TREAT MIN. OILS AND ADDITIVES. EMERGENCY RESPONSE DATA: BROWN LIQUID. DOT ERG NO.: NOT APPLICABLE. USE: COMMERCIAL ENGINE OIL. NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBS.

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SECTION 02: COMPOSITION & INGREDIENT INFO  
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CAS#	FORMULATION	W/V	CHEMICAL NAME
*			, SOLVENT-REFINED (severe) HEAVY P
*			ARAFFINIC
064742650	R 80.0000/	90.0000%	W MINERAL OIL, PETROLEUM DISTILLATES
*			, SOLVENT-DEWAXED HEAVY PARAFFINIC
*			(severe solvent-refining and/or h
*			ydrotreatment)

SECTION 2 - OTHER INFORMATION: U.S. OSHA HAZARD COMMUNICATION STANDARD: PRODUCT ASSESSED IN ACCORDANCE WITH OSHA 29 CFR 1910.1200 AND DETERMINED NOT TO BE HAZARDOUS.

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SECTION 03: HAZARDS IDENTIFICATION  
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PRIMARY ENTRY ROUTE INDICATORS:  
SKIN PRIMARY ENTRY ROUTE INDICATOR = Y  
EYE PRIMARY ENTRY ROUTE INDICATOR = Y  
INGESTION PRIMARY ENTRY ROUTE INDICATOR = Y

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NOT YET DETERMINED.

ADDITIONAL HEALTH HAZARD DATA: INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH: THIS PRODUCT IS NOT HAZARDOUS TO HEALTH AS DEFINED BY THE EUROPEAN UNION DANGEROUS SUBSTANCES/PREPARATIONS DIRECTIVES. EFFECTS OF OVEREXPOSURE: NO SIGNIFICANT EFFECTS EXPECTED.

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SECTION 04: FIRST AID MEASURES  
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EMERGENCY FIRST AID PROCEDURES - SKIN: CONTACT: WASH CONTACT AREAS WITH SOAP AND WATER.

EMERGENCY FIRST AID PROCEDURES - EYES: CONTACT: FLUSH THOROUGHLY WITH WATER. IF IRRITATION OCCURS, CALL A PHYSICIAN.  
PROBLEM.

EMERGENCY FIRST AID PROCEDURES - INGESTION: NOT EXPECTED TO BE A PROBLEM.

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SECTION 05: FIRE-FIGHTING MEASURES  
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SPECIAL FIRE FIGHTING PROCEDURES: 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.

NONE.

NFPA CODES:

NFPA FLAMMABILITY CODE = 1

NFPA HEALTH CODE = 0

NFPA REACTIVITY CODE = 0

AUTO-IGNITION TEXT: AUTO FLAMMABILITY: NOT ESTABLISHED.

FLASH POINT TEMPS: = 206.00C/ 403.00F

FLASH POINT METHOD TEXT: ASTM D-92.

SECTION 5 - OTHER INFORMATION: FLAMMABLE LIMITS: LEL AND UEL: NOT APPLICABLE. FLAMMABILITY: NOT ESTABLISHED. EXPLOSIVE PROPERTIES: NOT APPLICABLE.

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SPILL OR LEAK PROCEDURES: 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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SECTION 07: HANDLING AND STORAGE  
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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: HANDLING: NO SPECIAL PRECAUTIONS ARE NECESSARY BEYOND NORMAL GOOD HYGIENE PRACTICES. SEE

SECTION 8 FOR ADDITIONAL PERSONAL PROTECTION ADVICE WHEN HANDLING THIS PRODUCT. STORAGE: DO NOT STORE IN OPEN OR UNLABELED CONTAINERS. STORE AWAY FROM STRONG OXIDIZING AGENTS OR COMBUSTIBLE MATERIAL.

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SECTION 08: EXPOSURE CONTROLS - PROTECTION  
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EYE PROTECTION: NORMAL INDUSTRIAL EYE PROTECTION PRACTICES SHOULD BE EMPLOYED.

SKIN PROTECTION: NO SPECIAL EQUIPMENT REQUIRED. HOWEVER, GOOD PERSONAL HYGIENE PRACTICES SHOULD ALWAYS BE FOLLOWED.

RESPIRATORY PROTECTION: NO SPECIAL REQUIREMENTS UNDER ORDINARY

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

PROTECTIVE GLOVES (SPECIFY TYPE): PLEASE CONTACT LOCAL HEALTH AND SAFETY REPRESENTATIVES FOR APPROPRIATE GLOVE TYPE FOR YOUR SPECIFIC USE.

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SECTION 09: PHYSICAL & CHEMICAL PROPERTIES  
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VOLATILE ORGANIC COMPOUND: 0.00LB/GAL  
THEORETICAL VOC: 0.00 BY W

BOILING POINT TEMPS: > 316.00C/ 600.00F

POINT: NOT ESTABLISHED.

POUR POINT TEMPS: = - 30.00C/- 22.00F

SPECIFIC GRAVITY VALUES: = 0.8790  
SPECIFIC GRAVITY TEXT: 15/4 C.

VAPOR DENSITY TEXT: NOT ESTABLISHED.

VAPOR PRESSURE TEXT: <0.1 MMHG AT 20 C.

EVAPORATION RATE TEXT: NOT ESTABLISHED.

SOLUBILITY IN WATER TEXT: NEGLIGIBLE.

PH OF PRODUCT AS RECEIVED (NEAT)/TEXT: NOT APPLICABLE.  
APPEARANCE: BROWN LIQUID.

ODOR: MILD ODOR. ODOR THRESHOLD-PPM: NOT ESTABLISHED.

VISCOSITY TEXT: VISCOSITY AT 40 C, CST: 74.5. VISCOSITY AT 100 C, CST:  
11.5.

PHYSICAL STATE: LIQ

SECTION 9 - OTHER INFORMATION: TYPICAL PHYSICAL PROPERTIES ARE GIVEN. CONSULT PRODUCT DATA SHEET FOR SPECIFIC DETAILS. PARTITION COEFFICIENT: >3.5. VOLATILE ORGANIC COMPOUND: NOT APPLICABLE. FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE.

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SECTION 10: STABILITY & REACTIVITY

STABILITY INDICATOR: Y

STABILITY - TEXT: (THERMAL, LIGHT, ETC.): STABLE. CONDITIONS TO AVOID: EXTREME HEAT. INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS. OXIDIZING PROPERTIES: NOT APPLICABLE.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, METAL OXIDES, ELEMENTAL OXIDES.

HAZARDOUS POLYMERIZATION INDICATOR: N

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#### SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL DATA UNLIMITED TEXT: 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 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: 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. 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.

PRODUCT ARE SEVERELY SOLVENT REFINED AND/OR SEVERELY HYDROTREATED. CHRONIC MOUSE SKIN PAINTING STUDIES OF SEVERELY TREATED OILS SHOWED NO EVIDENCE OF CARCINOGENIC EFFECTS. THESE RESULTS ARE CONFIRMED ON A CONTINUING BASIS USING VARIOUS SCREENING METHODS SUCH AS THE MOBIL MODIFIED AMES TEST AND IP-346. OTHER TOXICOLOGY DATA: USED GASOLINE ENGINE OILS HAVE SHOWN EVIDENCE OF SKIN CARCINOGENIC ACTIVITY IN LABORATORY TESTS WHEN NO EFFORT WAS MADE TO WASH THE OIL OFF BETWEEN APPLICATIONS. USED OIL FROM DIESEL ENGINES DID NOT PRODUCE THIS EFFECT.

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#### SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION: ENVIRONMENTAL FATE AND EFFECTS: THIS PRODUCT IS EXPECTED TO BE INHERENTLY BIODEGRADABLE. THERE IS NO EVIDENCE TO SUGGEST BIOACCUMULATION WILL OCCUR. IT IS NOT EXPECTED TO BE TOXIC TO AQUATIC ORGANISMS. ACCIDENTAL SPILLAGE MAY LEAD TO PENETRATION IN THE CAUSE ADVERSE ECOLOGICAL EFFECTS.

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#### SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: 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 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.

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SECTION 14: TRANSPORT INFORMATION  
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DOT INFORMATION: DOT ERG NO.: NOT APPLICABLE. USA DOT: NOT REGULATED BY USA DOT.

SECTION 14 - OTHER INFORMATION: RID/ADR: NOT REGULATED BY RID/ADR. IMO: NOT REGULATED BY IMO. IATA: NOT REGULATED BY IATA.

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SECTION 15: REGULATORY INFORMATION  
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SARA 311/312 HAZARD INDICATORS:  
DELAYED HEALTH INDICATOR = N

SECTION 15 - OTHER INFORMATION: INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH: THIS PRODUCT IS NOT HAZARDOUS TO HEALTH AS DEFINED BY THE EUROPEAN UNION DANGEROUS SUBSTANCES/PREPARATIONS DIRECTIVES. GOVERNMENTAL INVENTORY STATUS: ALL COMPONENTS COMPLY WITH TSCA, EINECS/ELINCS, AICS, MITI, AND DSL. EU LABELING: EU LABELING NOT REQUIRED. U.S. SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III: THIS PRODUCT CONTAINS NO EXTREMELY HAZARDOUS SUBSTANCES. THIS PRODUCT CONTAINS NO CHEMICALS REPORTABLE UNDER SARA (313) TOXIC RELEASE PROGRAM. THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE INDICATED LISTS: ZINC (ELEMENTAL ANALYSIS) (0.13%) (7440-66-6), CHLORINE (ELEMENTAL ANALYSIS) (<0.02%) (7782-50-5): MI 293.

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SECTION 16: OTHER INFORMATION

RCRA HAZARDOUS WASTE NUMBER TEXT: 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. 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.

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