

MOBIL OIL >> SUPER HP 20W-50
MATERIAL SAFETY DATA SHEET
FSC: 9150
NIIN: 00N028228
Manufacturer's CAGE: 0AHKO
Part No. Indicator: A
Part Number/Trade Name: SUPER HP 20W-50

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General Information
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Manufacturer's Name: MOBIL OIL CORP
Manufacturer's P. O. Box: 1031
Manufacturer's City: PRINCETON
Manufacturer's State: NJ
Manufacturer's Country: US
Manufacturer's Zip Code: 08540
Manufacturer's Emerg Ph #: 609-737-4411;800-424-9300 (CHEMTREC)
Manufacturer's Info Ph #: 609-737-5596;800-662-4525
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 08DEC89
Safety Data Review Date: 16MAR92
MSDS Preparer's Name: ENVIRON AFFAIRS/TOX DEPT
Preparer's Company: SAME
MSDS Serial Number: BMSGR
Hazard Characteristic Code: NK
Report for NIIN: 00N028228

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: REFINED MINERAL OILS
Ingredient Sequence Number: 01
Percent: >80
NIOSH (RTECS) Number: 1082845RM
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ADDITIVES AND/OR OTHER INGREDIENTS
Ingredient Sequence Number: 02
Percent: <20
NIOSH (RTECS) Number: 1003746AD
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ZINC PIALKYL DITHIOPHOSPHATE
Ingredient Sequence Number: 03
Percent: 1.04
NIOSH (RTECS) Number: 1001213ZD
CAS Number: 68457-79-4
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ACETIC ACID, COPPER (2+) SALT
Ingredient Sequence Number: 04
NIOSH (RTECS) Number: AG3480000
CAS Number: 142-71-2

OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: COPPER (ELEMENTAL ANALYSIS). OSHA PEL:1 MG/M3 DUST, 0.1 MG/M3 FUME. ACGIH TLV:1 MG/M3 DUST, 0.2 MG/M3 FUME.
Ingredient Sequence Number: 05
Percent: 0.012
Report for NIIN: 00N028228
NIOSH (RTECS) Number: GL5325000
CAS Number: 7440-50-8
OSHA PEL: SEE INGREDIENT NAME
ACGIH TLV: SEE INGREDIENT NAME

Proprietary: NO
Ingredient: ZINC (ELEMENTAL ANALYSIS)
Ingredient Sequence Number: 06
Percent: 0.12
NIOSH (RTECS) Number: ZG8600000
CAS Number: 7440-66-6
OSHA PEL: 10 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST

Proprietary: NO
Ingredient: SUPP DATA:SERVICE STATION WORKERS/ENGINE MECHANICS/ALL PERS WHO REGULARLY HNDL USED MOTOR OIL SHOULD TAKE PRECS (ING 8)
Ingredient Sequence Number: 07
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 7:TO MINIMIZE CONTACT WITH OIL.
Ingredient Sequence Number: 08
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: WASTE DISP METH:APPRVD WASTE DISP FACILITY. USE OF THESE METHODS IS SUBJECT TO USER COMPLIANCE W/APPLIC LAWS (ING 10)
Ingredient Sequence Number: 09
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

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Proprietary: NO
Ingredient: ING 9:& REGS & CONSIDERATION OF PROD CHARACTERISTICS AT TIME OF DISP. DISP MUST BE I/A/W LOC, STATE & FED REGS (FP N).
Ingredient Sequence Number: 10
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

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Physical/Chemical Characteristics

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Appearance And Odor: LIQUID WITH MILD ODOR
Boiling Point: >600F,>316C
Melting Point: N/A
Vapor Pressure (MM Hg/70 F): <0.1 @ 20C
Solubility In Water: NEGLIGIBLE

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Fire and Explosion Hazard Data
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Flash Point: >415F,>213C
Flash Point Method: COC
Lower Explosive Limit: 0.6%
Upper Explosive Limit: 7%
Extinguishing Media: CARBON DIOXIDE, FOAM, DRY CHEMICAL AND WATER FOG.
Special Fire Fighting Proc: WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP
(FP N). WATER/FOAM MAY CAUSE FROTHING. USE WATER TO KEEP FIRE EXPOSED
CNTNRS COOL.WATER SPRAY MAY BE USED (SUPDAT)
Unusual Fire And Expl Hazrds: NONE.

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Reactivity Data
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Stability: YES
Cond To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.
Materials To Avoid: STRONG OXIDIZERS.
Hazardous Decomp Products: CO.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT.
Report for NIIN: 00N028228

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Health Hazard Data
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LD50-LC50 Mixture: LD50:(ORAL RAT) >5 G/KG.
Route Of Entry - Inhalation: NO
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: INHAL:HARMFUL CONC OF MISTS &/OR VAPS ARE
UNLIKELY TO BE ENCOUNTERED THRU ANY CUSTOMARY OR REASONABLY FORSEEABLE
HANDLG, USE, OR MISUSE OF PROD. EYE:MAY CAUSE SLIGHT IRRIT. SKIN:MAY CAUSE
SLIGHT IRRIT UPON RPTD/PRLNGD CONT. SEVERELY SOLV REFINED & SEVERELY
HYDROTREATED MINERAL BASE OILS HAVE BEEN (EFTS OF OVEREXP)
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NOT RELEVANT.
Signs/Symptoms Of Overexp: HLTH HAZ:TESTED AT MOBIL ENVIRON & HLTH
SCIENCES LAB BY DERM APPLIC 5 DAYS/WEEK FOR 90 DAYS @ DOSES SIGNIFICANTLY
HIGHER THAN THOSE EXPECTED DURING NORMAL INDUST EXPOS. EXTENSIVE
EVALUATIONS INCL MICROSCOPIC EXAM OF INTERNAL ORGANS & CLINICAL CHEM OF
BODY FLUIDS, SHOWED NO ADVERSE EFTS. STUDIES HAVE SHOWN THAT (SUPDAT)
Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.
Emergency/First Aid Proc: EYE:FLUSH WITH WATER FOR AT LEAST 15 MINUTES.
SKIN:WASH CONTACT AREAS WITH SOAP & WATER. INHAL:MOVE TO FRESH AIR. SUPPORT
BRTHG (GIVE O*2/ARTF RESP) (FP N). INGEST:IF GREATER THAN 1/2 LITER (PINT)
INGESTED, IMMED GIVE 1-2 GLASSES OF WATER & CALL MD, 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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Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: ABSORB ON FIRE RETARDANT TREATED SAWDUST,
DIATOMACEOUS EARTH, ETC. SHOVEL UP & DISP OF AT APPROP WASTE DISP FACILITY
I/A/WITH CURRENT APPLICABLE LAWS & REGULATIONS, AND PRODUCT CHARACTERISTICS
AT TIME OF DISPOSAL.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Method: PROD SUITABLE FOR BURNING IN ENCLSD, CNTRLD BURNER
FOR FUEL VALVE OR DISP BY SUPERVISED INCIN. SUCH BURNING MAY BE LIMITED
PURSUANT TO RCRA. IN ADDN, PROD SUITABLE FOR PROCESSING BY APPRVD RECYCLING
FACILITY/CAN BE DISP OF AT ANY GOVERNMENT(ING 9)

Precautions-Handling/Storing: NONE SPECIFIED BY MANUFACTURER.

Other Precautions: NONE SPECIFIED BY MANUFACTURER.

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Control Measures
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Respiratory Protection: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE AND WITH ADEQUATE VENTILATION. NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

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

Protective Gloves: IMPERVIOUS GLOVES (FP N).

Eye Protection: CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices: GOOD PERSONAL HYGIENE PRACTICES SHOULD ALWAYS BE FOLLOWED.

Suppl. Safety & Health Data: FIRE FIGHT PROC:TO FLUSH SPILLS AWAY FROM EXPOS. EFTS OF OVEREXP:MICE DEVELOPED SKIN CANCER AFTER RPTD APPLIC OF USED Report for NIIN: 00N028228

GAS ENGINE OIL TO SKIN FOR LIFETIME OF ANIMALS. NO EFFORT WAS MADE TO WASH OIL OFF BETWEEN APPLICS. USED OIL FROM DIESEL ENGINES DID NOT PRODUCE THIS EFT. BECAUSE OF EFTS OBSERVED IN LAB TESTS, (ING 7)

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Transportation Data
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Trans Data Review Date: 92134

DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION *

IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

AFI PSN Code: ZZZ

AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION *

Additional Trans Data: NOT REGULATED FOR TRANSPORTATION

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Disposal Data
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Report for NIIN: 00N028228

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Label Data
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Label Required: YES

Technical Review Date: 16MAR92

Label Date: 16MAR92

Label Status: B

Common Name: SUPER HP 20W-50

Chronic Hazard: NO

Signal Word: CAUTION!

Acute Health Hazard-Slight: X

Contact Hazard-Slight: X

Fire Hazard-Slight: X

Reactivity Hazard-None: X

Special Hazard Precautions: NORMAL INDUSTRIAL PROTECTION PRACTICES SHOULD BE EMPLOYED. ACUTE:MAY CAUSE SLIGHT EYE AND SKIN IRRITATION. CHRONIC:NONE LISTED BY MANUFACTURER.

Protect Eye: X

Protect Skin: X

Protect Respiratory: X

Label Name: MOBIL OIL CORP

Label P.O. Box: 1031

Label City: PRINCETON

Label State: NJ

Label Zip Code: 08540

Label Country: US

Label Emergency Number: 609-737-4411;800-424-9300 (CHEMTREC)

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