



SUN REFINING AND  
MARKETING COMPANY

MATERIAL SAFETY DATA SHEET

THIS PRODUCT SAFETY INFORMATION IS PROVIDED  
IN RESPONSE TO YOUR RECENT REQUEST. THANK YOU  
FOR YOUR INQUIRY.

SUN CODE  
R00000182801

PRINTED: 01/03/28/92  
SECTION 01 IDENTIFICATION  
NAME: SUNOCO ULTRA 10W-40  
SYNONYMS: MOTOR OIL  
REVISION DATE: 10/10/91

CAS REGISTRY NO: SEE SEC. 2  
CAS NAME: NO CLASSIFICATION - MIXTURE

CHEMICAL FAMILY: BLEND

CUSTOMER:  
MESA PRODUCTS  
ATTN: JOHN MEEK  
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TULSA

OK 74112

SUN REFINING AND MARKETING COMPANY  
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INFORMATION SUPPLIED BY JOANNE HOUCK  
PHONE: (215) 977-6133 8:00AM TO 4:30PM  
(215) 293-9270 (OTHER HOURS)

SECTION 2 INGREDIENTS  
SEVERELY SOLVENT REFINED HEAVY PARAFFINIC PETROLEUM OIL, CAS# 64741-88-4; ETHYLENE/PROPYLENE COPOLYMER CAS# 9010-79-1; 2% ZINC DIALKYLDITHIOPHOSPHATE, CAS# 68649-42-3; MAGNESIUM AND CALCIUM ALKYLARYL DETERGENT; BORATED POLYISOBUTENYL SUCCINIC ANHYDRIDE; AND LESS THAN 1% DIALKYL FUMARATE/VINYL ACETATE COPOLYMER. PRODUCT TYPICALLY CONTAINS 0.1% PHOSPHORUS; 0.1% ZINC AND -.1% MAGNESIUM.

SECTION 3 PHYSICAL DATA  
"INGREDIENTS WITH \* IN CAS NUMBER ARE SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW ACT AND 40CFR372"

BOILING POINT AT 760 MM HG HIGH WITH F ; WIDE RANGE C  
MELTING POINT: N/A F ; N/A C  
SPECIFIC GRAVITY: (WATER = 1) 0.87  
PACKING DENSITY: KG/M3 N/A  
VAPOR PRESSURE: (MM HG AT 20 C) NIL  
VAPOR DENSITY: (AIR = 1) 10+  
PH INFORMATION: PH 6.2 AT G/L WATE  
OCTANOL/WATER PARTITION COEFFICIENT: N.D.  
APPEARANCE: LT AMBER COLORED OIL  
ODOR: SLIGHT ODOR  
ODOR THRESHOLD (PPM) N.D.

SECTION 4 FIRE AND EXPLOSION DATA  
CONTINUED ON PAGE 2

FLASH POINT TEMPERATURE: 405 MINIMUM COC F ; 207 MINIMUM COC C  
AUTOIGNITION TEMPERATURE: 680 ESTIMATED F ; 360 ESTIMATED C  
NEPA CLASSIFICATION: UN/N/A NUMBER  
O-HEALTH 0 1-HEALTH 0 2-MODERATE 1 3-HIGH 0 4-EXTREME 0  
HEALTH 0 FIRE 1 REACTIVITY 0  
SPECIFIC HAZARD: NONE  
LOWER EXPLOSIVE LEVEL (LEL) NOT DETERMINED % VOL  
UPPER EXPLOSIVE LEVEL (UEL) NOT DETERMINED % VOL  
FLAMMABLE LIMITS IN AIR

SECTION 5 FIRE AND EXPLOSION HAZARDS

CAN BE MADE TO BURN (FLASH POINT GREATER THAN 200F).

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N/A = NOT APPLICABLE N.D. = NO DATA / NOT DETERMINED

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EXTINGUISHING MEDIA  
WATER FOG, MECHANICAL FOAM, DRY CHEMICAL POWDER,  
CARBON DIOXIDE.

SPECIAL FIRE FIGHTING INSTRUCTIONS  
WEAR SELF-CONTAINED BREATHING APPARATUS WHEN FIRE  
FIGHTING IN CONFINED SPACE.

SECTION 5 HEALTH HAZARD INFORMATION

EXPOSURE LIMITS  
OIL MIST: 5 MG/M3 (OSHA PEL/ACGIH TLV) GOVERNMENT REGULATION.

ROUTES OF EXPOSURE AND EFFECTS  
INHALATION NO ACUTE EFFECTS EXPECTED TO TWICE EXPOSURE LIMIT.

SKIN PRACTICALLY NON-TOXIC IF ABSORBED (LD50 GREATER THAN 2000 MG/KG). MILD TO MODERATE IRRITATION WITH PROLONGED OR REPEATED CONTACT.

EYE CONTACT WITH THE EYE MAY CAUSE MILD IRRITATION.

INGESTION PRACTICALLY NON-TOXIC (LD50 > 15G/KG).

FIRST AID  
INHALATION NONE NORMALLY REQUIRED.

SKIN WASH WITH SOAP AND WATER UNTIL NO ODOR REMAINS. IF REDNESS OR SMELLING DEVELOPS, OBTAIN MEDICAL ASSISTANCE.  
WASH CLOTHING BEFORE REUSE.

EYE FLUSH WITH WATER. IF IRRITATION PERSISTS, OBTAIN MEDICAL ASSISTANCE.

INGESTION PRACTICALLY NON-TOXIC -- INDUCTION OF VOMITING NOT REQUIRED. OBTAIN EMERGENCY MEDICAL ATTENTION. SMALL AMOUNTS WHICH ACCIDENTALLY ENTER MOUTH SHOULD BE RINSED OUT UNTIL TASTE OF IT IS GONE.

SECTION 6 REACTIVITY DATA CONTINUED ON PAGE 3  
STABILITY INCOMPATIBLE MATERIALS  
STRONG OXIDIZERS.  
HAZARDOUS DECOMPOSITION PRODUCTS  
COMBUSTION WILL PRODUCE CARBON MONOXIDE AND ASPHYXIANTS

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POLYMERIZATION  
POLYMERIZATION WILL NOT OCCUR.

SECTION 7 PROTECTION INFORMATION  
VENTILATION  
VENTILATE AS NEEDED TO COMPLY WITH EXPOSURE LIMIT.

PERSONAL PROTECTIVE EQUIPMENT  
EYE  
PRODUCT MINIMALLY IRRITATING TO EYES. LOCAL SAFETY POLICY DECISION.

GLOVES  
IMPERVIOUS GLOVES RECOMMENDED WHEN PROLONGED SKIN CONTACT CANNOT BE AVOIDED.

RESPIRATOR  
CONCENTRATION-IN-AIR DETERMINES PROTECTION NEEDED. USE ONLY NIOSH CERTIFIED RESPIRATORY PROTECTION.

OTHER  
IF CONTACT IS UNAVOIDABLE, WEAR IMPERVIOUS PROTECTIVE GEAR. LAUNDRY SOILED CLOTHES.

SECTION 8 DISPOSAL PROCEDURES  
AQUATIC TOXICITY  
NOT DETERMINED

SPILL, LEAK OR RELEASE  
CONTAIN SPILL. ADVISE EPA; STATE AGENCY IF REQUIRED. ABSORB ON INERT MATERIAL.

WASTE DISPOSAL  
FOLLOW FEDERAL, STATE AND LOCAL REGULATIONS. DO NOT FLUSH TO DRAIN/ STORM SEWER. CONTRACT TO AUTHORIZED DISPOSAL SERVICE.

SECTION 9 SPECIAL PRECAUTIONS  
STORAGE AND HANDLING CONDITIONS  
NFPA CLASS IIB STORAGE. WASH THOROUGHLY AFTER HANDLING.

SECTION 10 PRECAUTIONARY LABEL (IF APPLICABLE)  
CAUTION: PROLONGED OR REPEATED CONTACT WITH USED MOTOR OIL MAY BE HARMFUL TO SKIN AND COULD CAUSE SKIN CANCER. PROMPTLY WASH AFFECTED AREA WITH SOAP AND WATER. HAZARD CLASSIFICATION: NOT CONTROLLED