

SUNVIS 832
R00000372100

CODE

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1. CHEMICAL PRODUCT AND COMPANY INFORMATION

05/30/1997

REVISION DATE:

UN NUMBER- N/A

PRIMARY APPLICATION- LUBRICATING OIL

MANUFACTURER- SUN COMPANY, INC.
TEN PENN CENTER
1801 MARKET STREET
PHILADELPHIA PA 19103-1699

SYNONYMS.....: LUBRICATING OIL
CAS REGISTRY NO: SEE SEC. 2
CAS NAME.....: NO CLASSIFICATION - MIXTURE
CHEMICAL FAMILY: BLEND
INFORMATION

SUPPLIER... MARIA DAYRIT
PHONE.....: (610) 859-1120

EMERGENCY PHONE NUMBERS (AFTER NORMAL BUSINESS HOURS)
SUN CO.. 1-800-964-8861
CHEMTREC. 1-800-424-9300

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2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT/CAS NO.	LO%	HI%	OSHA		EXPOSURE GUIDELINES			
			TWA	STEL	ACGIH	SUN/MFR		
UNIT					TWA	STEL	TWA	STEL

LIMITS FOR THE PRODUCT:

				5		5		
MG/M3								

SEVERELY SOLVENT REFINED HEAVY PARAFFINIC PETROLEUM OIL
64741-88-4 .00 100.0 5 5

MG/M3

ZINC DIALKYL DITHIOPHOSPHATE								
68649-42-3	.00	1.00						NO SPECIFIC LIMIT
BUTYLATED PHENOL								
128-39-2	.00	1.00						NO SPECIFIC LIMIT
ACRYLIC COPOLYMER								
68171-46-0	.00	1.00						NO SPECIFIC LIMIT
HYDROTREATED HEAVY PARAFFINIC PETROLEUM OIL								
64742-54-7	.00	100.0		5				

MG/M3

CALCIUM ALKYLPHENATE

68784-26-9 .00 1.00 NO SPECIFIC LIMIT

ADDITIONAL EXPOSURE LIMITS ----- GOVERNMENT REGULATION
OTHER LIMIT- OIL MIST: 5 MG/M3 (OSHA PEL/ACGIH TLV)

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3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW -----

SEE SECTION 16 FOR MORE INFORMATION.

APPEARANCE-- CLEAR FLUID ODOR-- LITTLE ODOR.

POTENTIAL HEALTH EFFECTS -----

PRIMARY ROUTES OF ENTRY- INHALATION() SKIN(X) EYE() INGESTION()

INHALATION -----

NO EFFECTS EXPECTED.

SKIN -----

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

EYE -----

CONTACT WITH THE EYE MAY CAUSE MINIMAL IRRITATION.

INGESTION -----

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

CARCINOGEN LISTED BY-IARC(NO) NTP(NO) OSHA(NO) ACGIH(NO) OTHER(NO)

PRE-EXISTING MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-
SKIN DISORDERS

4. FIRST AID MEASURES

INHALATION -----

MOVE PERSON TO FRESH AIR.

SKIN -----

WASH WITH SOAP AND WATER UNTIL NO ODOR REMAINS. WASH CLOTHING BEFORE
REUSE.

EYE -----

FLUSH WITH WATER.

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.

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5. FIRE FIGHTING MEASURES

FLASH POINT: 380 MINIMUM COC (DEG. F); 192 MINIMUM COC (DEG. C)
AUTOIGNITION TEMP.: 670 ESTIMATED (DEG. F); 354 ESTIMATED (DEG. C)

---FLAMMABLE LIMITS IN AIR---

LOWER EXPLOSIVE LIMIT (LEL): NOT DETERMINED % VOLUME
UPPER EXPLOSIVE LIMIT (UEL): NOT DETERMINED % VOLUME

FIRE AND EXPLOSION HAZARDS -----

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

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EXTINGUISHING-MEDIA -----

WATER SPRAY. REGULAR FOAM. DRY CHEMICAL. CARBON DIOXIDE.

SPECIAL FIRE FIGHTING INSTRUCTIONS -----

WEAR SELF-CONTAINED BREATHING APPARATUS. WEAR STRUCTURAL FIREFIGHTERS
PROTECTIVE CLOTHING.

NFPA/HMIS CLASSIFICATION

HEALTH - 0 / 0

FIRE - 1 / 1

REACTIVITY - 0 / 0

PERSONAL PROTECTION INDEX - X

HAZARD RATING

0=LEAST 1=SLIGHT

2=MODERATE 3=HIGH

4=EXTREME

SPECIFIC HAZARD: NONE KNOWN

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6. ACCIDENTAL RELEASE MEASURES

CONTAIN SPILL. USE PERSONAL PROTECTIVE EQUIPMENT STATED IN SECTION 8.
ADVISE EPA; STATE AGENCY IF REQUIRED. ABSORB ON INERT MATERIAL.
SHOVEL, SWEEP OR VACUUM SPILL.

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7. HANDLING AND STORAGE

NFPA CLASS IIIIB STORAGE. WASH THOROUGHLY AFTER HANDLING.

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8. EXPOSURE CONTROL / PERSONAL PROTECTION

CONSULT WITH A HEALTH/SAFETY PROFESSIONAL FOR SPECIFIC SELECTION.

VENTILATION -----

VENTILATE AS NEEDED TO COMPLY WITH EXPOSURE LIMIT. MECHANICAL VENTILATION RECOMMENDED.

PERSONAL PROTECTIVE EQUIPMENT -----

EYE -----

SPLASH PROOF CHEMICAL GOGGLES RECOMMENDED TO PROTECT AGAINST SPLASH OF PRODUCT.

GLOVES -----

PROTECTIVE GLOVES RECOMMENDED WHEN PROLONGED SKIN CONTACT CANNOT BE AVOIDED. THE FOLLOWING GLOVE MATERIALS ARE ACCEPTABLE: POLYETHYLENE; NEOPRENE; NITRILE; VITON;

RESPIRATOR -----

CONCENTRATION-IN-AIR DETERMINES PROTECTION NEEDED. USE ONLY NIOSH CERTIFIED RESPIRATORY PROTECTION. RESPIRATORY PROTECTION USUALLY NOT NEEDED UNLESS PRODUCT IS HEATED OR MISTED.

OTHER -----

IF CONTACT IS UNAVOIDABLE, WEAR CHEMICAL RESISTANT CLOTHING. THE FOLLOWING MATERIALS ARE ACCEPTABLE AS PROTECTIVE CLOTHING MATERIALS: POLYETHYLENE; NEOPRENE; NITRILE; VITON; POLYURETHANE; LAUNDER SOILED CLOTHES.

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9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT.....: HIGH WITH (DEG. F) _____ WIDE RANGE (DEG. C)
MELTING POINT.....: N/A (DEG. F) _____ N/A (DEG. C)
SPECIFIC GRAVITY.....: 0.86 (WATER=1)
PACKING DENSITY.....: N/A (KG/M3)
VAPOR PRESSURE.....: < 0.0001 (MM HG @ 20 DEG C)
VAPOR DENSITY.....: 10+ (AIR=1)
SOLUBILITY IN WATER.: NIL (% BY VOLUME)
PH INFORMATION.....: N/A. AT CONC. N/A G/L H2O
% VOLATILES BY VOL..: NIL
EVAPORATION RATE....: 1000X SLOWER (ETHYL ETHER=1)
OCTANOL/WATER COEFF.: N.D.
APPEARANCE.....: CLEAR FLUID
ODOR.....: LITTLE ODOR.
ODOR THRESHOLD.....: N.D. (PPM)
VISCOSITY.....: 165 SUS @ 100 DEG F ... 32.0 CST @ 40 DEG C
MOLECULAR WEIGHT....: N/A (G/MOLE)

10. STABILITY AND REACTIVITY

STABILITY -----
STABLE.
INCOMPATIBLE MATERIALS -----
STRONG OXIDIZERS
HAZARDOUS DECOMPOSITION -----
COMBUSTION WILL PRODUCE CARBON MONOXIDE, OXIDES OF SULFUR AND
ASPHYXIANTS
POLYMERIZATION -----
WILL NOT OCCUR.

11. TOXICOLOGICAL INFORMATION

FOR THE PRODUCT -----
INHALATION: LOW ACUTE TOXICITY. SKIN: PRACTICALLY NON-TOXIC IF
ABSORBED. MILD IRRITATION WITH PROLONGED OR REPEATED CONTACT. EYE:
MINIMALLY IRRITATING ON CONTACT. ORAL: PRACTICALLY NON-TOXIC.

SEVERELY SOLVENT REFINED HEAVY PARAFFINIC PETROLEUM OIL (COMPONENT)
INHALATION: LOW ACUTE TOXICITY. SKIN: PRACTICALLY NON-TOXIC BY
ABSORPTION. MAY CAUSE MODERATE IRRITATION WITH PROLONGED AND REPEATED
CONTACT. EYE: MINIMALLY IRRITATING ON CONTACT. INGESTION: PRACTICALLY
NON-TOXIC IF SWALLOWED.

ZINC DIALKYL DITHIOPHOSPHATE (COMPONENT)
INHALATION: DECOMPOSITION MAY OCCUR AT TEMPERATURES IN EXCESS OF 200F
RESULTING IN EVOLUTION OF TOXIC HYDROGEN SULFIDE GAS. H2S MAY CAUSE
CENTRAL NERVOUS SYSTEM (BRAIN) EFFECTS, NAUSEA, DIZZINESS, CONFUSION,
LOSS OF SENSE OF SMELL, MUSCLE CRAMPS, INCOORDINATION, UNCONSCIOUSNESS
COMA, RESPIRATORY FAILURE AND DEATH. SKIN: PROLONGED OR REPEATED
CONTACT MAY CAUSE MODERATE IRRITATION, REDNESS, DRYING, CRACKING,
DERMATITIS. EYE: IRRITANT. ORAL: HARMFUL IF SWALLOWED.

BUTYLATED PHENOL (COMPONENT)
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NO DATA AVAILABLE FOR ALL ROUTES OF EXPOSURE.

ACRYLIC COPOLYMER (COMPONENT)
NO DATA AVAILABLE FOR ANY ROUTE OF EXPOSURE. NO ACUTE TOXIC EFFECTS
EXPECTED.

HYDROTREATED HEAVY PARAFFINIC PETROLEUM OIL (COMPONENT)
INHALATION: OVEREXPOSURE TO MISTS OR VAPORS MAY CAUSE EYE, NOSE,
THROAT AND RESPIRATORY TRACT IRRITATION. SKIN: PROLONGED OR REPEATED
CONTACT MAY CAUSE IRRITATION. EYE: IRRITANT. ORAL: PRACTICALLY NON-
TOXIC IF SWALLOWED.

CALCIUM ALKYLPHENATE (COMPONENT)
NO STATEMENT AVAILABLE

WHEN A PRODUCT AND/OR COMPONENT IS LISTED BELOW, THE REGULATORY LIST ON WHICH IT APPEARS IS INDICATED.

ZINC DIALKYL DITHIOPHOSPHATE - NJ 01

01=SARA 313	02=SARA 302/304	03=IARC CARCINOGEN
04=OSHA CARCINOGEN	05=ACGIH CARCINOGEN	06=NTP CARCINOGEN
07=CERCLA 302.4	08=WHMIS CONTROLLED PROD.	
10=OTHER CARCINOGEN		
PA=PENNSYLVANIA RTK	NJ=NEW JERSEY RTK	CA=CALIFORNIA PROP 65
MA=MASSACHUSETTS RTK	MI=MICHIGAN 406	MN=MINNESOTA RTK
FL=FLORIDA	RI=RHODE ISLAND	IL=ILLINOIS
NY=NEW YORK	WV=WEST VIRGINIA	CT=CONNECTICUT
LA=LOUISIANA	ME=MAINE	OH=OHIO

THIS PRODUCT OR ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE U.S. TSCA INVENTORY.

16. OTHER INFORMATION

WARNING! HIGH PRESSURE INJECTION OF OIL THROUGH THE SKIN IS A MEDICAL EMERGENCY. THERE MAY BE NO SIGN OF INJURY AND NO INITIAL PAIN. THIS OIL MUST BE REMOVED COMPLETELY BY A PHYSICIAN. FAILURE TO OBTAIN IMMEDIATE TREATMENT HAS RESULTED IN LOSS OF A FINGER, HAND OR ARM.
WHMIS CLASSIFICATION: NOT CONTROLLED

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