

SUNPAR LW 107

SUN CODE: R00000130000

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1. CHEMICAL PRODUCT AND COMPANY INFORMATION

REVISION DATE: 06/21/1994
UN NUMBER- N/A

PRIMARY APPLICATION- BASE OIL

MANUFACTURER- SUN COMPANY, INC.
TEN PENN CENTER
1801 MARKET STREET
PHILADELPHIA PA 19103-1699Distributed by - POP Fasteners Div.
510 River Road
Shelton, CT 06484
(203) 924-9341SYNONYMS.....: PETROLEUM DISTILLATE
CAS REGISTRY NO: 64741-89-5
CAS NAME.....: SOLVENT REFINED LIGHT PARAFFINIC DISTILLATE (PETRO
CHEMICAL FAMILY: PETROLEUM HYDROCARBON OIL
INFORMATION
SUPPLIER... MARIA DAYRIT
PHONE.....: (215) 246-8201EMERGENCY PHONE NUMBERS (AFTER NORMAL BUSINESS HOURS)
SUN CO.. 1-800-964-3861
CHEMTREC. 1-800-424-9300

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2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT/CAS NO.	LO%	HI%	OSHA		EXPOSURE GUIDELINES		SUN/MFR	UNIT
			TWA	STEL	ACGIH	TWA		
LIMITS FOR THE PRODUCT:								
NO SPECIFIC LIMIT								

SEVERELY SOLVENT REFINED LIGHT PARAFFINIC PETROLEUM OIL
64741-89-5 100.0 100.0 5 5 MG/M3ADDITIONAL EXPOSURE LIMITS ----- GOVERNMENT REGULATION
OTHER LIMIT- OIL MIST: 5 MG/M3 (OSHA PEL/ACGIH TLV)

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3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW -----

DANGER! MAY CAUSE SKIN IRRITATION. HARMFUL OR FATAL IF SWALLOWED.
PULMONARY ASPIRATION HAZARD-CAN ENTER LUNGS AND CAUSE DAMAGE.

APPEARANCE-- COLORLESS LIQUID ODOR-- LITTLE ODOR

POTENTIAL HEALTH EFFECTS -----

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

INHALATION -----

EXCESSIVE EXPOSURE TO MISTS OR VAPORS GENERATED BY HEAT MAY CAUSE
IRRITATION TO EYES, NOSE, THROAT AND LUNGS. RESPIRATORY TRACT;

SKIN -----

PRACTICALLY NON-TOXIC IF ABSORBED (LD50 GREATER THAN 2000 MG/KG). MAY
CAUSE MILD TO MODERATE IRRITATION WITH PROLONGED OR REPEATED CONTACT.
DRAIZE SKIN IRRITATION SCORE IS: 2.62 OUT OF 8.0. ESTIMATED DERMAL LD50
IN RABBITS IS: > 5,000 MG/KG.

EYE -----

NO EYE EFFECT EXPECTED. DRAIZE EYE IRRITATION SCORES ARE: SEE SECTION 11
- ACUTE TOXICITY

INGESTION -----

HARMFUL OR FATAL IF SWALLOWED. PRACTICALLY NON-TOXIC (LD50 > 15G/KG).
ESTIMATED ORAL LD50 IN RATS IS: > 30 G/KG. PULMONARY ASPIRATION HAZARD
IF SWALLOWED AND/OR VOMITING OCCURS - CAN ENTER LUNGS AND CAUSE DAMAGE.

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

PRE-EXISTING MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-
SKIN DISORDERS, RESPIRATORY, PULMONARY, AND LUNG DISORDERS (E.G.
ASTHMA-LIKE CONDITIONS).

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4. FIRST AID MEASURES

INHALATION -----

MOVE PERSON TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION,
OBTAIN MEDICAL ASSISTANCE.

SKIN -----

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

EYE -----

FLUSH WITH WATER.

INGESTION -----

DO NOT INDUCE VOMITING! DO NOT GIVE LIQUIDS! 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: 342 MINIMUM COC (DEG. F); 172 MINIMUM COC (DEG. C)
AUTOIGNITION TEMP.: 650 ESTIMATED (DEG. F); 343 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).

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 LISTED

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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 IIIB STORAGE. AVOID PROLONGED BREATHING OF MIST OR VAPOR.
AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. AVOID CONTACT WITH EYES.
WASH THOROUGHLY AFTER HANDLING.

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8. EXPOSURE CONTROL / PERSONAL PROTECTION

CONSULT WITH A HEALTH/SAFETY PROFESSIONAL FOR SPECIFIC SELECTION.

VENTILATION -----

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

PERSONAL PROTECTIVE EQUIPMENT -----

EYE -----

SPLASH PROOF CHEMICAL GOGGLES OR FULL FACE SHIELD RECOMMENDED TO PROTECT AGAINST SPLASH OF PRODUCT.

GLOVES -----

PROTECTIVE GLOVES RECOMMENDED TO PROTECT AGAINST CONTACT WITH PRODUCT. THE FOLLOWING GLOVE MATERIALS ARE ACCEPTABLE: POLYVINYL CHLORIDE (PVC); NEOPRENE; NITRILE; POLYVINYL ALCOHOL; 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. HALF-MASK AIR PURIFYING RESPIRATOR WITH DUST/MIST FILTERS OR HEPA FILTER CARTRIDGES IS ACCEPTABLE TO 10 TIMES THE EXPOSURE LIMIT. FULL-FACE AIR PURIFYING RESPIRATOR WITH DUST/MIST FILTERS OR HEPA FILTER CARTRIDGES IS ACCEPTABLE TO 50 TIMES THE EXPOSURE LIMIT. PROTECTION BY AIR PURIFYING RESPIRATORS IS LIMITED. USE A POSITIVE PRESSURE-DEMAND FULL-FACE SUPPLIED AIR RESPIRATOR OR SCBA FOR EXPOSURES ABOVE 50X THE EXPOSURE LIMIT. IF EXPOSURE IS ABOVE IDLH (IMMEDIATELY DANGEROUS TO LIFE & HEALTH) OR THERE IS THE POSSIBILITY OF AN UNCONTROLLED RELEASE OR EXPOSURE LEVELS ARE UNKNOWN THEN USE A POSITIVE PRESSURE-DEMAND FULL-FACE SUPPLIED AIR RESPIRATOR WITH ESCAPE BOTTLE OR SCBA.

OTHER -----

IF CONTACT IS UNAVOIDABLE, WEAR CHEMICAL RESISTANT CLOTHING. THE FOLLOWING MATERIALS ARE ACCEPTABLE AS PROTECTIVE CLOTHING MATERIALS: POLYVINYL ALCOHOL (PVA); POLYVINYL CHLORIDE (PVC); NEOPRENE; NITRILE; VITON; POLYURETHANE; SAFETY SHOWER AND EYE WASH AVAILABILITY RECOMMENDED. LAUNDRY SOILED CLOTHES. FOR NON-FIRE EMERGENCIES RESPIRATORY PROTECTION MAY BE NECESSARY AND WEAR APPROPRIATE PROTECTIVE CLOTHING TO AVOID CONTACT.

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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.....: 0.0008 (MM HG @ 20 DEG C)
VAPOR DENSITY.....: 8+ (AIR=1)
SOLUBILITY IN WATER.: NIL (% BY VOLUME)
PH INFORMATION.....: N/A AT CONC. N.D. G/L H2O
% VOLATILES BY VOL.: NIL
EVAPORATION RATE.....: 1000X SLOWER (ETHYL ETHER=1)
OCTANOL/WATER COEFF.: N.D.
APPEARANCE.....: COLORLESS LIQUID
ODOR.....: LITTLE ODOR
ODOR THRESHOLD.....: N.D. (PPM)
VISCOSITY.....: 68.0 SUS @ 100 DEG F ... 11.6 CST @ 40 DEG C
MOLECULAR WEIGHT.....: 302 (G/MOLE)

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10. STABILITY AND REACTIVITY

STABILITY -----

STABLE.
CONDITIONS TO AVOID-
SOURCES OF IGNITION

INCOMPATIBLE MATERIALS -----
STRONG OXIDIZERS
HAZARDOUS DECOMPOSITION -----
COMBUSTION WILL PRODUCE CARBON MONOXIDE AND ASPHYXIANTS
POLYMERIZATION -----
WILL NOT OCCUR.

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11. TOXICOLOGICAL INFORMATION

FOR THE PRODUCT -----

ACUTE TOXICITY

DRAIZE SKIN IRRITATION SCORE IS: 2.62 OUT OF 8.0. ESTIMATED DERMAL LD50
IN RABBITS IS: > 5,000 MG/KG. DRAIZE EYE IRRITATION SCORES ARE: 0.0 0.0
0.0 OUT OF 110.0 AT 24 48 72 HOURS. ESTIMATED ORAL LD50 IN RATS IS: > 30
G/KG.

INHALATION: LOW ACUTE TOXICITY. OVEREXPOSURE TO MIST MAY CAUSE EYE,
NOSE, THROAT, RESPIRATORY TRACT IRRITATION. SKIN: PRACTICALLY NON-
TOXIC IF ABSORBED. MILD TO MODERATE IRRITATION WITH PROLONGED OR
REPEATED CONTACT. EYE: PRACTICALLY NON-IRRITATING ON CONTACT. ORAL:
PRACTICALLY NON-TOXIC. HARMFUL OR FATAL IF SWALLOWED AND/OR VOMITING
OCCURS BECAUSE IT CAN ENTER THE LUNGS AND CAUSE DAMAGE--PULMONARY
ASPIRATION HAZARD.

SEVERELY SOLVENT REFINED LIGHT PARAFFINIC PETROLEUM OIL (COMPONENT)

INHALATION: LOW ACUTE TOXICITY. OVEREXPOSURE TO MIST MAY CAUSE
IRRITATION TO EYES, NOSE, THROAT, AND RESPIRATORY TRACT. SKIN:
PRACTICALLY NON-TOXIC BY ABSORPTION. MAY CAUSE MODERATE IRRITATION
WITH PROLONGED AND REPEATED CONTACT. EYE: MINIMALLY IRRITATING ON
CONTACT. INGESTION: PRACTICALLY NON-TOXIC. HARMFUL OR FATAL IF
SWALLOWED AND/OR VOMITING OCCURS BECAUSE IT CAN ENTER LUNGS AND CAUSE
DAMAGE--PULMONARY ASPIRATION HAZARD.

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12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY -----

NO DATA AVAILABLE

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13. DISPOSAL CONSIDERATIONS

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

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14. TRANSPORTATION INFORMATION

DOT-

PROPER SHIPPING NAME- PETROLEUM LUBRICATING OIL
HAZARD CLASS- NOT REGULATED
IDENTIFICATION NUMBER- NOT REGULATED
LABEL REQUIRED- NOT REGULATED

IMDG- PROPER SHIPPING NAME- NOT AVAILABLE

IATA- PROPER SHIPPING NAME- NOT AVAILABLE

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15. REGULATORY INFORMATION

SARA 302 THRESHOLD PLANNING QUANTITY. N/A

SARA 304 REPORTABLE QUANTITY N/A

SARA 311 CATEGORIES- IMMEDIATE (ACUTE) HEALTH EFFECTS.. Y

DELAYED (CHRONIC) HEALTH EFFECTS.. N
FIRE HAZARD N
SUDDEN RELEASE OF PRESSURE HAZARD. N
REACTIVITY HAZARD N

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

SEVERELY SOLVENT REFINED LIGHT PARAFFINIC PETROLEUM OIL - NJ PA

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.

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16. OTHER INFORMATION

NONE

SUNPAR LW 107

SUN CODE: R00000130000

J6484POPFA-664

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

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SUN COMPANY, INC.
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1801 MARKET STREET

PHILADELPHIA PA 19103-1699
U.S.A.

RR06484POPFA

POP FASTENERS
ATTN: JOSEPH COLELLA
510 RIVER ROAD

SHELTON

CT 06484

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