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3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

NOT EXPECTED TO CAUSE A SEVERE EMERGENCY HAZARD.

APPEARANCE- COLORLESS LIQUID; ODOR- ODORLESS.

POTENTIAL HEALTH EFFECTS

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

INHALATION

EXCESSIVE EXPOSURES MAY CAUSE IRRITATION TO EYES, NOSE, THROAT, LUNGS;
RESPIRATORY TRACT;

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 MILD IRRITATION.

INGESTION

PRACTICALLY NON-TOXIC (LD50 > 15G/KG). ESTIMATED ORAL LD50 IN RATS IS:
>15 G/KG.

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

PRE-EXISTING MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-

DISORDERS OR DISEASES OF THE SKIN, RESPIRATORY, PULMONARY SYSTEM AND
LUNG (E.G. ASTHMA-LIKE CONDITIONS).

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4. FIRST AID MEASURES

INHALATION

MOVE PERSON TO FRESH AIR.

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: 375 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).

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	HAZARD RATING
HEALTH - 0 / 0	0=LEAST 1=SLIGHT
FIRE - 1 / 1	2=MODERATE 3=HIGH
REACTIVITY - 0 / 0	4=EXTREME
PERSONAL PROTECTION INDEX - X	

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

KEEP IN COOL, DRY PLACE. KEEP CONTAINER TIGHTLY CLOSED. 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
VENTILATE AS NEEDED TO COMPLY WITH EXPOSURE LIMIT.

PERSONAL PROTECTION EQUIPMENT

EYE
SPASH 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: 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; 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.....: 11 (AIR=1)
SOLUBILITY IN WATER....: MISCIBLE (% BY VOLUME)
PH INFORMATION.....: N.D. AT CONC. N/A G/L H2O
% VOLATILES BY VOL.....: NIL
EVAPORATION RATE.....: 1000X SLOWER (ETHYL ETHER=1)
OCTANOL/WATER COEFF....: N.D.
APPEARANCE.....: COLORLESS LIQUID;
ODOR.....: ODORLESS.
ODOR THRESHOLD.....: N.D. (PPM)
VISCOSITY.....: 107 SUS @ 100 DEG F ... 20.7 CST @ 40 DEG C
MOLECULAR WEIGHT.....: N.D. (G/MOLE)

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10. STABILITY AND REACTIVITY

STABILITY
STABLE.

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

ESTIMATED ORAL LD50 IN RATS IS: >15 G/KG.

INHALATION: LOW ACUTE TOXICITY. OVEREXPOSURE TO MIST MAY CAUSE EYE, NOSE, THROAT, RESPIRATORY TRACT IRRITATION. SKIN: ACUTELY NON-TOXIC IF ABSORBED. MILD IRRITATION WITH PROLONGED OR REPEATED CONTACT. EYE: MILDLY IRRITATING ON CONTACT. ORAL: PRACTICALLY NON-TOXIC.

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.

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.

ALKYL ARYL POLYOXYETHOXY ETHANOL NONIONIC SURFACTANT (COMPONENT)

NO DATA AVAILABLE FOR ANY ROUTE OF EXPOSURE.

ALKYL PHENOL COUPLER (COMPONENT)

NO DATA AVAILABLE FOR ANY ROUTE OF EXPOSURE.

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12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY

THIS PRODUCT IS TOXIC TO FISH

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13. DISPOSAL CONSIDERATIONS

FOLLOW FEDERAL, STATE AND LOCAL REGULATIONS. NOT A RCRA HAZARDOUS WASTE IF UNCONTAMINATED. IF "USED", RCRA CRITERIA (IGNITABILITY, REACTIVITY, CORROSIVITY, TOXICITY CHARACTERISTICS) MUST BE DETERMINED. DO NOT FLUSH TO DRAIN/ STORM SEWER. CONTRACT TO AUTHORIZED DISPOSAL SERVICE.

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14. TRANSPORTATION INFORMATION

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

IMDG- PROPER SHIPPING NAME- NO DATA AVAILABLE

IATA- PROPER SHIPPING NAME- NO DATA 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.

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

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16. OTHER INFORMATION

SUNSPRAY 11E IS AN EPA HAZARD CATEGORY IV. CAUTION: KEEP OUT OF REACH OF CHILDREN. DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. OPEN DUMPING IS PROHIBITED. PESTICIDE, SPRAY MIXTURE OR RINSATE THAT CANNOT BE USED OR CHEMICALLY PROCESSED SHOULD BE DISPOSED OF IN A LANDFILL APPROVED FOR PESTICIDES. CONSULT FEDERAL STATE OR LOCAL AUTHORITIES FOR APPROVED ALTERNATIVES PROCEDURES. THIS EPA APPROVED LABEL IS REQUIRED. WHMIS CLASSIFICATION: NOT CONTROLLED. EPA REGISTRATION NO.- 862-9