

EQUILON ENTERPRISES LLC -- 01855 ATF TYPE F -- 9150-01-092-9755

===== Product Identification =====

Product ID:01855 ATF TYPE F

MSDS Date:01/26/1999

FSC:9150

NIIN:01-092-9755

MSDS Number: CJXLF

=== Responsible Party ===

Company Name:EQUILON ENTERPRISES LLC

Address:PRODUCT STEWARDSHIP

Box:674414

City:HOUSTON

State:TX

ZIP:77267-4414

Country:US

Info Phone Num:877-276-7285

Emergency Phone Num:877-276-7

283

Resp. Party Other MSDS Num.:01855ET

Chemtrec Ind/Phone:(800)424-9300

CAGE:3N254

=== Contractor Identification ===

Company Name:B&M ENTERPRISES

Address:17350 TEMPLE AVE

Box:City:LA PUENTE

State:CA

ZIP:91744

Country:US

Phone:818-912-1275

Contract Num:SP0450-00-M-C045

CAGE:097K0

Company Name:B&M ENTERPRISES

Address:17350 TEMPLE AVE

Box:City:LA PUENTE

State:CA

ZIP:91744

Country:US

Phone:818-912-1275

Contract Num:SPO450-01-M-C285

CAGE:097K0

Company Name:EQUILON ENTERPRISES LLC PRODUCT STEWARDSHIP

Address:1111 BAGBY RD RM 4325D
Box:674414
City:HOUSTON
State:TX
ZIP:77267-4414
Country:US
Phone:877-276-7285
CAGE:3N254

===== Composition/Information on Ingredients =====

Ingred Name:HYDROTREATED HEAVY PARAFFINIC DISTILLATE (PETROLEUM)
CAS:64742-54-7
RTECS #:PY8035500
Minumum % Wt:50.
Maxumum % Wt:64.99
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)
ACGIH STEL:10 MG/M3 (OIL MIST)

Ingred Name:HYDROTREATED LIGHT PARAFFINIC DISTILLATE (PETROLEUM)
CAS:64742-55-8
RTECS
#:PY8036500
Minumum % Wt:20.
Maxumum % Wt:34.99
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)
ACGIH STEL:10 MG/M3 (OIL MIST)

Ingred Name:RESIDUAL OILS (PETROLEUM), HYDROTREATED
CAS:64742-57-0
Minumum % Wt:3.
Maxumum % Wt:9.99
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)
ACGIH STEL:10 MG/M3 (OIL MIST)

Ingred Name:HYDROTREATED LIGHT NAPHTHENIC DISTILLATE (PETROLEUM)
CAS:64742-53-6
RTECS #:PY8036000
Minumum % Wt:1.
Maxumum % Wt:2.99
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5

MG/M3 (OIL MIST)
ACGIH STEL:10 MG/M3 (OIL MIST)

Ingred Name:POLYMETHACRYLATE
CAS:50867-55-5
Minumum % Wt:1.
Maxumum % Wt:2.99

Ingred Name:SOLVENT REFINED LIGHT NAPHTHENIC DISTILLATE (PETROLEUM)
CAS:64741-97-5
RTECS #:PY8041000
Minumum % Wt:1.
Maxumum % Wt:2.99
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)
ACGIH STEL:10 MG/M3 (OIL MIST)

Ingred Name:SOLVENT REFINED HEAVY PARAFFINIC DISTILLATE (PETROLEUM)
CAS:64741-88-4
RTECS #:PY8040500
Minumum % Wt:1.
Maxumum % Wt:2.99
OSHA PEL:5 MG
/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)
ACGIH STEL:10 MG/M3 (OIL MIST)

===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT): >5000 MG/KG
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EYES: MAY CAUSE MINIMAL
IRRITATION. SKIN: BRIEF CONTACT MAY CAUSE IRRITATION. PROLONGED
CONTACT MAY CAUSE SEVERE IRRITATION & DISCOMFORT. INHALATION:
VAPORS OR MISTS, IN EXCESS OF PERMISSABLE C ONCENTR
ATIONS, MAY
CAYSE IRRITATION OF NOSE & THROAT, HEADACAHE, NAUSEA & DROWSINESS.
INGESTION: IF MORE THAN SEVERAL MOUTHFULS SWALLOWED, ABDOMINAL
DISCOMFORT, NAUSEA & DIARRHEA MAY OCCUR. CHRONIC: NO ADVERSE
EFFECTS HAVE BEEN DOCUMENTED IN HUMANS. NOTE: WHEN OVERHEATED, MAY
PRODUCE H2S, WHICH CAN CAUSE IRRITATION OF EYES & RESPIRATORY
SYSTEM, HEADACHE, DIZZINESS, NAUSEA, VOMITING, DIARRHEA & P
ULMONARY EDEMA.
Explanation of Carcinogenicity:NONE SPECIFIED BY MANUFACTURER.

Effects of Overexposure:EYES-IRRITATION, TEMPORARY DISCOMFORT.

SKIN-IRRITATION, LOCAL REDNESS, SWELLING. INHALATION: IRRITATION OF NOSE & THROAT, HEADACHE, NAUSEA, DROWSINESS. INGESTED-ABDOMINAL DISCOMFORT, NAUSEA, DIARRHEA. WHEN OVERHEATED, MAY PRODUCE H₂S, WHICH CAN CAUSE IRRITATION OF EYES & RESPIRATORY SYSTEM, HEADACHE, DIZZINESS, NAUSEA, VOMITING, DIARRHEA & PULMONARY EDEMA.

Medical Cond Aggravated by Exposure:BECAUSE OF ITS IRRITATING PROPERTIES, REPEATED SKIN CONTACT MAY AGGRAVATE AN EXISTING DERMATITIS.

===== First Aid Measures =====

First Aid:EYES: FLUSH WITH PLENTY OF WATER FOR SEVERAL MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. SKIN: WASH WITH SOAP & WATER FOR SEVERAL MINUTES. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. INGESTION: IF MORE THAN SEVERAL MOUTHFULS ARE SWALLOWED, GIVE TWO (2) GLASSES OF WATER (16 OZ). GET MEDICAL ATTENTION.; INHALATION: IF IRRITATION OR SYMPTOMS OCCUR, REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF BREATHING BECOMES DIFFICULT OR RESPIRATORY IRRITATION PERSISTS.

===== Fire Fighting Measures =====

Flash Point Method:COC

Flash Point:=198.9C, 390.F

390 - 405

Lower Limits:N/D

Upper Limits:N/D

Extinguishing Media:USE WATER SPRAY, DRY CHEMICAL, FOAM, OR CARBON DIOXIDE TO EXTINGUISH FLAMES. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. WATER OR FOAM MAY CAUSE FROTHING.

Fire Fighting Procedures:

USE WATER SPRAY, DRY CHEMICAL, FOAM, OR CARBON DIOXIDE TO EXTINGUISH FLAMES. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. WATER OR FOAM MAY CAUSE FROTHING. WEAR FULL PROTECTIVE CLOTHING AND POSITIVE PRESSURE BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:HYDROGEN SULFIDE (H₂S) MAY BE RELEASED IF OVERHEATED.

===== Accidental Release Measures =====

Spill Release Procedures:VENTILATE AREA. AVOID BREATHING VAPOR. WEAR APPROPRIATE PROTECTIVE CLOTHING.

PROPRIATE PERSONAL PROTECTIVE EQUIPMENT, INCLUDING RESPIRATORY PROTECTION. CONTAIN SPILL IF POSSIBLE. WIPE UP OR ABSORB ON SUITABLE MATERIAL & SHOVEL UP. PREVENT ENTRY INTO SEWERS & WATERWAYS. AVOID CONTACT WITH SKIN, EYES, OR CLOTHING. IF MORE THAN 2,777,777 POUNDS OF PRODUCT IS SPILLED, THEN REPORT ACCORDING TO SARA 304/CERCLA 102(A).

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage

Precautions:MINIMUM FEASIBLE HANDLING TEMPERATURES SHOULD BE MAINTAINED. PERIODS OF EXPOSURE TO HIGH TEMPERATURES SHOULD BE MINIMIZED. WATER CONTAMINATION SHOULD BE AVOIDED.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE APPROPRIATE NIOSH OR MSHA APPROVED AIR PURIFYING OR AIR SUPPLIED RESPIRATOR AFTER DETERMINING THE AIRBORNE CONCENTRATION OF THE CONTAMINANT.AIR SUPPLIED RESPIRATORS SHOULD

ALWAYS BE WORN WHEN AIRBORNE CONCENTRATION OF THE CONTAMINANT OR OXYGEN CONTENT IS UNKNOWN.

Ventilation:ADEQUATE TO MEET COMPONENT OCCUPATIONAL EXPOSURE LIMITS.

Protective Gloves:NONE SPECIFIED BY MANUFACTURER.

Eye Protection:SAFETY GLASSES, CHEMICAL TYPE GOGGLES OR FACE SHIELD

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WORKERS SHOULD WASH EXPOSED SKIN SEVERAL TIMES DAILY WITH SOAP AND WATER. SOILED WORK CLOTHING SHOULD BE LAUN

DERED OR DRY-CLEANED.

Supplemental Safety and Health

REMOVE & DRY CLEAN OR LAUNDERR CLOTHING SOAKED OR SOILED WITH THIS MATERIAL BEFORE REUSE. DRY CLEANING OF CONTAMINATED CLOTHING MAY BE MORE EFFECTIVE THAN NORMAL LAUNDERING. INFORM INDIVIDUALS RESPONSIBLE FOR CLEANING OF POTENTIAL HAZARDS ASSOCIATED WITH HANDLING CONTAMINATED CLOTHING.

===== Physical/Chemical Properties =====

HCC:V6

Boiling Pt:B.P. Text:NOT DETERMINED

Vapor Pres:NOT DETERMINED

Vapo

r Density:N/D
Spec Gravity:0.8654 - 0.8789
Viscosity:35.3 - 40.1 CST AT 40.0 C
Evaporation Rate & Reference:NOT PROVIDED
Solubility in Water:NOT DETERMINED
Appearance and Odor:RED LIQUID, MILD ODOR.

===== Stability and Reactivity Data =====

STRONG OXIDIZERS.

Stability Condition to Avoid:UNDER EXTREME TEMPERATURES OR EXTENDED STORAGE PERIODS, HYDROGEN SULFIDE (H₂S) GAS MAY ACCUMULATE IN THE HEAD-SPACE OF CONTAINER.

Hazardous Decomposition Products:TOXIC LEVELS OF CARBON MONOXIDE,

CARBON DIOXIDE, IRRITATING ALDEHYDES AND KETONES, AND COMBUSTION PRODUCTS OR COMPOUNDS OF PHOSPHORUS, ZINC, SULFUR (MAY INCLUDE HYDROGEN SULFIDE).

Conditions to Avoid Polymerization:DO NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:ORAL LD₅₀: >5000 MG/KG (RAT). INHALATION: NOT DETERMINED. DERMAL: LD₅₀: >2000 MG/KG (RABBIT). IRRITATION INDEX: SKIN (DRAIZE): >0.5-3.00/8.0 (RABBIT). EYES: (DRAIZE)

: < 15.00/100

(RABBIT), SENSITIZATION: NOT DETERMINED. OTHER: SOME LOW VISCOSITY NAPHTHENIC OILS HAVE CAUSED SKIN IRRITATION & SKIN TUMORS IN LABORATORY ANIMALS WHEN REPEATEDLY APPLIED & LEFT IN PLACE BETWEEN APPLICATIONS. THE SIGNIFICANCE OF THIS EFFECT IN HUMANS HAS NOT BEEN ESTABLISHED.

===== Ecological Information =====

Ecological:AQUATIC TOXICITY: NOT DETERMINED. MOBILITY: NOT DETERMINED. PERSISTENCE AND BIODEGRADABILITY: NOT DETERMINED. POTENTIAL TO BIOACCUMULATE: NOT DETERMINED. REMARKS: NOT EVALUATED.

===== Disposal Considerations =====

Waste Disposal Methods:PRODUCT DOES NOT MEET CRITERIA FOR HAZARDOUS WASTE IF DISCARDED IN ITS PURCHASED FORM. UNDER RCRA IT IS THE USER'S RESPONSIBILITY TO DETERMINE AT THE TIME OF DISPOSAL, WHETHER THE PRODUCT MEETS RCRA CRITERIA FOR HAZARDOUS WASTE.

===== MSDS Transport Information =====

Transport Info

ormation:DOT/IMDG/ICAO PROPER SHIPPING NAME: NOT
REGULATED.

===== Regulatory Information =====

SARA Title III Information:SECTION 302/304: NONE. SECTION 311: N/A.
SECTION 313: NONE.

Federal Regulatory Information:CERCLA 102(A): XYLENE, CAS# 1330-20-7,
0.0036%. CERCLA/DOT HAZARDOUS SUBSTANCES: XYLENE, RQ=100 LBS. TSCA
INVENTORY STATUS: THIS PRODUCT OR ITS COMPONENTS, ARE LISTED ON OR
ARE EXEMPT FROM THE TOXIC S UBSTANCE CONTROL ACT (TSCA) CH
EMICAL
SUBSTANCE INVENTORY .

State Regulatory Information:CALIFORNIA PROPOSITION 65: NONE.

===== Other Information =====

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizi
ng this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.