

EQUILON ENTERPRISES LLC -- 01657 RANDO HD 32 -- 9150-01-087-3510

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

Product ID:01657 RANDO HD 32

MSDS Date:01/04/1999

FSC:9150

NIIN:01-087-3510

Status Code:A

MSDS Number: CKCJR

=== 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 Ph

one Num:877-276-7283

Resp. Party Other MSDS Num.:GEN03ET

Chemtrec Ind/Phone:(800)424-9300

CAGE:3N254

=== Contractor Identification ===

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

Company Name:TEXACO REFINING AND MARKETING INC

Address:4800 FURNACE

Box:6666

City:BELLAIRE

State:TX

ZIP:77401-2324

Country:US

Phone:713-342-6868

CAGE:2J943

===== Composition/Info

Information on Ingredients =====

Ingredient Name: SOLVENT DEWAXED HEAVY PARAFFINIC DISTILLATE (PETROLEUM)
CAS: 64742-65-0
RTECS #: PY8038500
Minimum % Wt: 20
Maximum % Wt: 94.99

Ingredient Name: HYDROTREATED HEAVY PARAFFINIC DISTILLATE (PETROLEUM)
CAS: 64742-54-7
RTECS #: PY8035500
Minimum % Wt: 3
Maximum % Wt: 94.99

Ingredient Name: RESIDUAL OILS (PETROLEUM), HYDROTREATED
CAS: 64742-57-0
Minimum % Wt: 20
Maximum % Wt: 34.99

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

Routes of Entry

: Inhalation: YES Skin: YES Ingestion: YES

Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO

Health Hazards Acute and Chronic: EYES ARE LISTED AS A ROUTE OF ENTRY.

ACUTE: EYE: MAY CAUSE MINIMAL IRRITATION, EXPERIENCED AS TEMPORARY DISCOMFORT. SKIN: BRIEF CONTACT IS NOT IRRITATING. OTHER THAN POTENTIAL SKIN IRRITATION NOTED, ACUTE ADVERSE EFFECTS ARE NOT EXPECTED FROM BRIEF SKIN CONTACT. INHALATION: VAPORS/MIST, IN EXCESS OF PERMISSIBLE CONCENTRATIONS OR IN UNUSUALLY HIGH CONCENTRATIONS

GENERATED FROM

SPRAYING, HEATING MATERIAL OR AS FROM EXPOSURE IN POORLY VENTED AREAS OR CONFINED SPACES, MAY CAUSE IRRITATION OF NOSE & THROAT, HEADACHE, NAUSEA, & DROWSY. INGESTION: IF MORE THAN SEVERAL MOUTHFULS ARE SWALLOWED, ABDOMINAL DISCOMFORT, NAUSEA, AND DIARRHEA MAY OCCUR. (SEE SIGNS/SYMPTOMS)

Effects of Overexposure: HEALTH HAZARD: CHRONIC: PROLONGED CONTACT, AS WITH CLOTHING WETTED WITH MATERIAL, MAY CAUSE DEFATTING OF SKIN OR IRRITATION, SEEN AS LOCAL REDNESS WITH POSSIBLE MILD DISCOMFORT

. NO ADVERSE

EFFECTS HAVE BEEN DOCUMENTED IN HUMANS AS A RESULT OF CHRONIC EXPOSURE. SENSITIZATION PROPERTIES: UNKNOWN. OTHER REMARKS: MATERIAL FROM HIGH PRESSURE EQUIPMENT, PINHOLE LEAKS, OR HIGH PRESSURE LINE FAILURE CAN PENETRATE SKIN &, IF NOT PROPERLY TREATED, CAN CAUSE SEVERE INJURY, INCLUDING DISFIGUREMENT, LOSS OF FUNCTION, OR EVEN REQUIRE AMPUTATION OF AFFECTED AREA. TO PREVENT SUCH SERIOUS INJURY, IMMEDIATE MEDICAL ATTENTION SHOULD BE SOUGHT EVEN IF THE INJECTION INJURY APPEARS

EARS TO BE MINOR.

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

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

First Aid:EYE: FLUSH EYES W/PLENTY OF WATER FOR AT LEAST 15 MINUTES.
GET MED ATTN IF IRRIT PERSISTS. SKIN: WASH W/PLENTY OF SOAP & WATER
FOR SEVERAL MINS. GET MED ATTN IF IRRIT DEVELOPS OR PERSISTS.
INGEST: IF MORE THAN SEVERAL MOUTHFULS OF
MATL ARE SWALLOWED, GIVE
2 GLASSES OF WATER (16 OZ). GET MED ATTN. INHAL: IF IRRIT,
HEADACHE, NAUSEA, OR DROWSINESS OCCURS, REMOVE TO FRESH AIR. GET
MED ATTN IF BREATHING BECOMES DIFFICULT OR RESP IRRIT PERSISTS.
HIGH PRESSURE INJECTION OF MATL CAN CAUSE SEVERE INJURY. FAILURE TO
DEBRIDE WOUND OF ALL RESIDUAL MATL CAN RESULT IN DISFIGUREMENT,
LOSS OF FUNCTION, OR MAY REQUIRE AMPUTATION OF AFFECTED AREA.

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

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Flash Point Method:COC

Flash Point:=190.6C, 375.F

375 - 485 (COC)

Autoignition Temp:Autoignition Temp Text:N/D

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 NIOSH APPROVED SELF CONTAINED BREATHING
APPARATUS AND FULL PROTECTIVE EQUIPMENT . WEAR FULL PROTECTIVE
CLOTHING AND POSITIVE
PRESSURE BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:VENTILATE AREA. AVOID BREATHING VAPOR. WEAR
APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT, INCLUDING APPROPRIATE
RESPIRATORY PROTECTION. CONTAIN SPILL IF POSSIBLE. WIPE UP OR
ABSORB WITH SUITABLE MATERIAL AND SHOVEL UP. PREVENT ENTRY INTO
SEWERS AND WATERWAYS. AVOID CONTACT WITH SKIN, EYES OR CLOTHING.

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== Handling and Storage =====

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

Other Precautions:REMOVE & DRYCLEAN OR LAUNDRER CLOTHING SOAKED OR SOILED WITH MATERIAL BEFORE REUSE. DRY CLEANING OF CONTAMINATED CLOTHING MAY BE MORE EFFECTIVE THAN NORMAL LAUNDERING. INFORM INDIVIDUALS RESPONSIB

LE FOR CLEANING OF POTENTIAL HAZARDS ASSOCIATED WITH HANDLING CONTAMINATED CLOTHING.

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

Respiratory Protection:AIRBORNE CONC SHOULD BE KEPT TO LOWEST LEVELS POSSIBLE. IF VAPOR, MIST OR DUST IS GENERATED & OCCUP EXPOS LIMIT OF PROD, OR ANY COMPONENT OF PROD IS EXCEEDED, USE APPROP NIOSH APPROVED AIR PURIFYING/A IR SUPPLIED RESP AFTER DETERMINING AIRBORNE CONC OF CONTAMINANT. AIR SUPPLIED RESP SHLD ALWAYS BE W ORN

WHEN AIRBORNE CONC OF CONTAM/OXYGEN CONTENT IS UNKNOWN.

Ventilation:ADEQUATE TO MEET COMPONENT OCCUPATIONAL EXPOSURE LIMITS. EXPOSURE LIMIT FOR TOTAL PRODUCT: NONE ESTABLISHED FOR PROD. SEE INGRED FOR COMPONENT EXPOSURE LIMITS.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPROVED CHEMICAL WORKERS GOGGLES AND FULL LENGTH FACESHIELD .

Other Protective Equipment:ANSI APPROVED EMERGENCY EYEWASH AND DELUGE SHOWER .

Work Hygienic Practices:WORKERS SHOULD WASH EXPOSED SKIN SEVERAL TIMES

DAILY W/SOAP & WATER. SOILED WORK CLOTHING SHLD BE LAUNDERED OR DRYCLEANED.

Supplemental Safety and Health

WASTE DISPOSAL: PRODUCT USES, TRANSFORMATIONS, MIXTURES, PROCESSES, ETC., MAY RENDER THE RESULTING MATERIALS HAZARDOUS.

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

Boiling Pt:B.P. Text:N/D

Vapor Pres:NOT DETERMINED

Vapor Density:N/D

Spec Gravity:.8681 - .8984

pH:N/D

Viscosity:22 - 220 CST @ 40C

Solubility in Water:N/D

Appearance

and Odor:PALE LIQUID, PETROLEUM OIL ODOR.

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

THIS MATERIAL REACTS VIOLENTLY WITH OXIDIZING AGENTS.

Hazardous Decomposition Products:PRODUCTS EVOLVED WHEN SUBJECTED TO HEAT OR COMBUSTION: TOXIC LEVELS OF CARBON MONOXIDE, CARBON DIOXIDE, IRRITATING ALDEHYDES AND KETONES.

Conditions to Avoid Polymerization:HAZARDOUS POLYMERIZATIONS DO NOT OCCUR.

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

Toxicol

ogical Information:MEDIAN LETHAL DOSE: ORAL: LD50 SIMILAR PRODUCT > 5.00 G/KG (RAT) PRACTICALLY NON-TOXIC. INHALATION: NOT DETERMINED. DERMAL: LD50 SIMILAR PRODUCT > 2.00 G/KG (RABBIT) PRACTICALLY NON TOXIC. IRRITATION INDEX, ESTIMATION OF IRRITATION (SPECIES) SKIN: (DRAIZE) SIMILAR PRODUCT < .10/8.0 (RABBIT) NO APPRECIABLE EFFECT. EYES: (DRAIZE) SIMILAR PRODUCT 7.00/110 (RABBIT) NO APPRECIABLE EFFECT. SENSITIZATION : NOT DETERMINED. OTHER: NONE.

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

Waste Disposal Methods:DISPOSE OF IAW LOCAL, STATE & FED REGS . THIS PROD HAS BEEN EVALUATED FOR RCRA CHARACTERISTICS & DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE IF DISCARDED IN ITS PURCHASED FORM. UNDER RCRA, I T IS THE RESPONSIBILITY OF THE USER TO DETERMINE AT TIME OF DISPOSAL WHETHER PROD MEETS RCRA CRITERI A FOR HAZ WASTE. THIS IS BECAUSE (SUP DAT)

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

Transport Information:D.O.T. PROPER SHIPPING NAME: NOT REGULATED. IMDG PROPER SHIPPING NAME: NOT REGULATED. ICAO PROPER SHIPPING NAME: NOT REGULATED. TDG PROPER SHIPPING NAME: NOT REGULATED.

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

SARA Title III Information:SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCES: NONE. SECTION 311: NA. SECTION 313 TOXIC CHEMICAL: NONE.

Federal Regulatory Information:CERCLA 102(A)/D.O.T. HAZARDOUS SUBSTANCES: NONE. C

ERCLA/D.O.T. HAZARDOUS SUBSTANCES RQ: NONE.

TSCA INVENTORY STATUS: THIS PRODUCT, OR ITS COMPONENTS ARE LISTED ON OR ARE EXEMPT FROM THE TOXIC SUBSTANCE CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY. OTHER: NONE.

State Regulatory Information: CALIFORNIA PROPOSITION 65: THE FOLLOWING DETECTABLE COMPONENTS OF THIS PRODUCT ARE SUBSTANCES OR BELONG TO CLASSES OF SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR REPRODUCTIVE TOXICITY: NONE.

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vided with this information by the compiling agencies):

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