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SHELL OIL COMPANY -- TURBO(R) T OIL 46 -- 9150-00-582-5480

Product ID:TURBO(R) T OIL 46 MSDS Date:10/27/1992 FSC:9150 NIIN:00-582-5480 MSDS Number: BWPSB === Responsible Party === Company Name: SHELL OIL COMPANY Address: HEALTH, SAFETY AND ENVIRONMENT Box:4320 **City:HOUSTON** State:TX ZIP:77210 Country:US Info Phone Num:713-241-4819 Emergency Phone Num:713-473-9461 CA GE:54527 === 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: SHELL OIL COMPANY Address:Box:2463 City:HOUSTON State:TX ZIP:77210 Country:US Phone:800-231-6950 CAGE:54527

Ingred Name:DISTILLATES, HYDROTREATED HEAVY PARAFFINIC CAS:64742-54-7 RTECS #:PY8035500 Fraction by Wt: 99% Other REC Limits:NONE RECOMMENDED OSHA PEL:300 PPM ACGIH TLV:300 PPM

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATE, SOLVENT DEWAXED (SEVERE), HEAVY PARAFFINIC CAS:64742-65-0 RTECS #:PY8038501 Fraction by Wt: 0-85% Other REC Limits:NONE RECOMMENDED

Ingred Name:SOLVENT DEWAXED RESIDUAL OIL (PETROLEUM) CAS:64742-62-7 Fraction by Wt: 0-15% Other REC Limits:NONE RECOMMENDED

Ingred Name: MINOR ADDITIVES Fraction by Wt: 5 G/KG Routes of Entry: Inhalation:YES Skin:YES Ingesti on:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic: BASED ON SIMILAR PRODUCTS: EYE: PRESUMED TO BE NON-IRRITATING. SKIN: NO MORE THAN MILDLY **IRRITATING TO THE SKIN. PROLONGED &/OR REPEATED SKIN CONTACT MAY** CAUSE DERMATITIS, OIL ACNE, FOLLICULITIS. INHALA TION: VAPOR OR OIL MIST MAY RESULT IN MILD UPPER RESPIRATORY IRRITATION. INGESTION:NO MORE THAN SLIGHTLY TOXIC. Explanation of Carcinogenicity:MFR LISTED NO INFORMATION ABOUT THE CARC INOGENICITY OF THIS MATERIAL. HMIS DOES NOT EXPECT IT TO BE CARCINOGENIC. Effects of Overexposure: IRRITATION AS NOTED ABOVE. NECROSIS MAY BE EVIDENCED BY DELAYED ON SET OF PAIN & TISSUE DAMAGE A FEW HOURS

FOLLOWING HIGH PRESSURE INJECTION. Medical Cond Aggravated by Exposure:PREEXISTING SKIN AND RESPIRATORY DISORDERS.

First Aid:IF IRRITATION OR SYMPTOMS PERSIST OR ARE SEVERE, SEE A DOCTOR. EYE:FLUSH W/WAT

ER. SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. IN INJECTED UNDER SKIN,GET MEDICA L ATTENTION. INHALED:REMOVE TO FRESH AIR. AID/RESTORE BREATHING IF NECESSARY. INGESTED:DO NOT INDUCE VOMITING. NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES ARE INGESTED. GET MEDICAL ADVICE.
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Flash Point Method:PMCC Flash Point:460F,238C Lower Limits:N/AV Upper Limits:N/AV Extinguish
ing Media:USE WATER FOG,FOAM,DRY CHEMICAL OR CARBON DIOXIDE. DO NOT USE DIRECT WATER STREAM. OIL WILL FLOAT & REIGNITE ON SURFACE.
Fire Fighting Procedures:DO NOT ENTER CONFINED FIRE-SPACE WITHOUT FULL BUNKER GEAR, INCLUDING POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:MATERIAL WILL NOT BURN UNLESS PREHEATED. COOL FIRE EXPOSED CONTAINERS W/WATER.
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Spill R elease Procedures:NOT READILY IGNITABLE BUT MAY BURN. CAUTION! WEAR RESPIRATOR & PROTECTIVE CLOTHNG. STOP LEAK IF SAFE TO DO SO. DIKE AND CONTAIN. REMOVE W/VACUUM OR PUMP TO STORAGE CONTAINER. PRESIDUE WITH AN ABSORBEN T. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE. Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.
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 Handling and Storage Precautions:STORE IN A COOL DRY PLACE WITH ADEQUATE VENTILATION. KEE P AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES. Other Precautions:MINIMIZE SKIN CONTACT. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES,THAT CANNOT BE DECONTAMINATED.
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Respiratory Protection: IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL

EXPOSURE LIMITS USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. USE ATMOSPHERE SUPPLYING OR AIR PURIFYIN

G RESPIRATOR FOR ORGANIC VAPORS. Ventilation: MFR GAVE NO INFORMATION ON MSDS. Protective Gloves: CHEMICAL RESISTANT Eye Protection: NONE ROUTINELY NECESSARY Other Protective Equipment: PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE SKIN CONTACT. TEST DATA INDICATES NITRILE IS BEST. Work Hygienic Practices: WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. Supplemental Safety and Health NONE ==== HCC:V6 NRC/State Lic Num:NONE Melt/Freeze Pt:M.P/F.P Text:-10F,-23C Spec Gravity:0.8783 Viscosity:44-48 Solubility in Water:NEGLIGIBLE Appearance and Odor: PALE YEEOW OIL, SLIGHT HYDROCARBON ODOR Stability Indicator/Materials to Avoid:YES **OXIDIZING MATERIALS** Stability Condition to Avoid: AVOID HEAT AND OPEN FLAMES Hazardous Decomposition Products: A COMPLEX MIXTURE OF AIRBORNE SOLID, LIQUID, PARTICULATES AND GASES. CARB ON MONOXIDE AND OTHER

UNIDENTIFIED MATERIALS.

Waste Disposal Methods:PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE W/LOCAL REGULATIONS.

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