

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

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

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

C

AGE: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

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

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 Ingestion: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. INHALATION: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 CARCINOGENICITY OF THIS MATERIAL. HMIS DOES NOT EXPECT IT TO BE CARCINOGENIC.

Effects of Overexposure:IRRITATION AS NOTED ABOVE. NECROSIS MAY BE EVIDENCED BY DELAYED ONSET OF PAIN & TISSUE DAMAGE A FEW HOURS FOLLOWING HIGH PRESSURE INJECTION.

Medical Cond Aggravated by Exposure:PREEXISTING SKIN AND RESPIRATORY DISORDERS.

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

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

TER. SKIN:WASH WITH SOAP & WATER. REMOVE
CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. IN INJECTED UNDER
SKIN,GET MEDICAL 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.

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

Flash Point Method:PMCC

Flash Point:460F,238C

Lower Limits:N/AV

Upper Limits:N/AV

Extinguis

hing 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.

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

Spill

Release 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.

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

Handling and Storage Precautions:STORE IN A COOL DRY PLACE WITH
ADEQUATE VENTILATION. KE
EP 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.

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

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL
EXPOSURE LIMITS USE A NIOSH-APPROVED RESPIRATOR TO PREVENT
OVEREXPOSURE. USE ATMOSPHERE SUPPLYING OR AIR PURIFYI

NG 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

===== Physical/Chemical Properties =====
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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 and Reactivity Data =====

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. CAR
BON MONOXIDE AND OTHER
UNIDENTIFIED MATERIALS.

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

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

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