

SHELL OIL COMPANY -- TURBO(R) T OIL 32 -- 9150-00-985-7232

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

Product ID:TURBO(R) T OIL 32

MSDS Date:10/27/1992

FSC:9150

NIIN:00-985-7232

MSDS Number: BWNLD

=== 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

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

Ingred Name:DISTILLATES, HYDROTREATED HEAVY PARAFFINIC

CAS:64742-54-7

RTECS #:PY8035500

Fraction by Wt: 0-99%  
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: 0-99%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:MINOR ADDITIVES  
Fraction by Wt: 5 G/KG  
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:BASED ON SIMILAR PRODUCTS:  
EY  
E:PRESUMED TO BE NON-IRRITATING. SKIN:NO MORE THAN MILDY  
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.

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

First Aid:IF IRRITATION OR SYMPTOMS PERSIST OR ARE SEVERE, SEE A  
DOCTOR. EYE:FLUSH W/WATER. SKIN:WASH WITH SOAP & WATER. REMOVE  
CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE. IN INJECTED UNDER  
SKIN,GET MEDIC  
AL 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:430F,221C  
Lower Limits:N/AV  
Upper Limits:N/AV  
Extinguishing 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. RESIDUE WITH AN ABSORBENT. 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. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

Other Precautions:MINIMIZE SKIN CONTACT. LAUNDRY CONTAMINATED CLOTHING BE FORE 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 PURIFYING 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.

Work Hygienic Practices:WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

NONE

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

HCC:V6

NRC/State Lic Num:NONE

Melt/Freeze Pt:M.P/F.P Text:-20F,-29C

Spec Gravity:0.8735

Solubility in Water:NEGLIGIBLE

Appearance and Odor:MFR GAVE NO INFORMATION

ION ON MSDS.

===== 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. CARBON 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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