

EQUILON ENTERPRISES LLC -- TURBO OIL 79 (MIL-L-17331; MIL-L-17331H; 2190) --  
9150-01-368-7075

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

Product ID:TURBO OIL 79 (MIL-L-17331; MIL-L-17331H; 2190)

MSDS Date:01/04/1999

FSC:9150

NIIN:01-368-7075

Status Code:A

MSDS Number: CKYSS

=== Responsible Party ===

Company Name:EQUILON ENTERPRISES LLC

Address:PRODUCT STEWARDSHIP

Box:674414

City:HOUSTON

State:TX

ZIP:7726

7-4414

Country:US

Info Phone Num:877-276-7285

Emergency Phone Num:(800)424-9300/877-276-7283

Resp. Party Other MSDS Num.:EQUILON MSDS: 60230E-08

Preparer's Name:KAREN G. HAYNES

Chemtec Ind/Phone:(800)424-9300

CAGE:TO225

=== Contractor Identification ===

Company Name:EQUILON ENTERPRISES LLC

Address:PRODUCT STEWARDSHIP

Box:674414

City:HOUSTON

State:TX

ZIP:77267-4414

Country:US

Phone:877-276-7285

CAGE:TO225

Company Name:RADIAN INTL LLC

Address:8501 N MOPAC BLVD

Box:201088

City:AUSTIN

State:TX

ZIP

:78720-1088  
Country:US  
Phone:512-419-5224  
Contract Num:SP0450-00-D-4021  
CAGE:29913

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Composition/Information on Ingredients  
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Ingred Name:TURBO OIL 78 (MIL-L-17331; MIL-L-177331H; 2190) (PRODUCT)  
= Wt:100.  
OSHA PEL:5 MG/M3 (OIL MIST)  
ACGIH TLV:5 MG/M3 (OIL MIST)  
ACGIH STEL:10 MG/M3 (OIL MIST)

Ingred Name:HYDROTREATED HEAVY PARAFFINIC DISTILLATE  
CAS:64742-54-7  
RTECS #:PY8035500  
= Wt:99.

Ingred Name:MINOR ADDITIVES  
&lt; Wt:1.

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Hazards Identifica  
tion  
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Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE CONTACT: LUBRICATING OILS ARE  
GENERALLY CONSIDERED TO BE MINIMALLY IRRITATING TO EYES. SKIN  
CONTACT: LUBRICATING OILS ARE GENERALLY CONSIDERED TO BE SLIGHTLY  
IRRITATING TO SKIN. PROLONGED AND REP EATED CONTACT MAY RESULT IN  
SKIN DISORDERS SUCH AS DERMATITIS, OIL ACNE, OR FOLLICULITIS.  
ACCIDENTAL RELEASE UNDER HIGH PRESSURE APPLICATIONS MAY RESULT IN INJE  
CTION OF OIL INTO SKIN CAUSING LOCAL NEC ROSIS. INHALATION:  
INHALATION OF VAPORS (GENERATED AT HIGH TEMPERATURES ONLY) OR OIL  
MIST MAY CAUSE A MILD IRRITATION OF THE RESPIRATORY TRACT.  
INGESTION: LUBRICATING OILS ARE GENERALLY CONSIDERED NO MORE THAN  
SLIGHTLY TOXIC IF SWALLOWED.  
Explanation of Carcinogenicity:THIS PRODUCT AND ITS COMPONENTS ARE NOT  
CLASSIFIED AS CARCINOGENS BY IARC, NTP, OR OSHA.  
Effects of Overexposure:IRRITATION AS NOTED ABOVE. NECOROSIS MAY BE  
EVIDENC

ED BY DELAYED ONSET OF PAIN AND TISSUE DAMAGE A FEW HOURS FOLLOWING HIGH PRESSURE INJECTION.

Medical Cond Aggravated by Exposure:PREEXISTING SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. WIPE EXCESS OFF. WASH WITH SOAP AND WATER OR WATE RLESS

HAND CLEAN ER FOLLOWED BY SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. IF MATERIAL INJECTED UNDER SKIN, GET MEDICAL ATTENTION PROMPTLY; DO NOT WAIT FOR SYMPTOMS TO DEVELOP. INHALATION: MOVE TO FR ESH AIR, GIVE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE INGESTED. HOWEVER , GET MEDICAL ADVICE.

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===== Fire Fi ghting Measures =====

Flash Point Method:PMCC  
Flash Point:=212.8C, 415.F  
Lower Limits:N/AV  
Upper Limits:N/AV

Extinguishing Media:USE WATER FOG, FOAM, DRY CHEMICAL OR CO2. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED ON SURFACE OF WATER.

Fire Fighting Procedures:MATERIALS WILL NOT BURN UNLESS PRHEATED. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS), INCLUDI NG A

POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard:NONE IDENTIFIED.

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

Spill Release Procedures:MAY BURN BUT NOT READILY IGNITABLE. USE CAUTION WHEN CLEANING UP LARGE SPILLS. LARGE SPILLS: WEAR RESPIRATOR AND PROTECTIVE CLOTHING. STOP LEAK. DIKE AND CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSE

LS. SOAK

UP RESIDUE WITH ABSORBENT (CLAY, SAND, OTHERS). DISPOSE OF PROPERLY. FLUSH AREA TO REMOVE RESIDUE. SMALL SPILLS: TAKE UP WITH AN ABSORBENT AND DISPOSE OF PROPERLY.

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===== 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. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES.

LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, THAT CANNOT BE DECONTAMINATED.

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

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS AND PARTICULATES.

Protective Gloves:CHEMICAL-RESISTANT GLOVES, NITRILE IS RECOMMENDED.

Eye Protection:WEAR SAFETY GOGGLES TO AVOID EYE CONTACT.

Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE SKIN CONTACT.

Work Hygienic Practices:MINIMIZE SKIN CONTACT. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:V6

Melt/Freeze Pt:=-12.2C, 10.F

M.P/F.P Text:POUR POINT

Vapor Pres: