

EQUILON ENTERPRISES LLC, PRODUCT STEWARDSHIP -- SPIRAX(R) HEAVY DUTY GEAR OIL
80W-90 (MIL-L-2105E) -- 9150-01-035-5393

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

Product ID:SPIRAX(R) HEAVY DUTY GEAR OIL 80W-90 (MIL-L-2105E)
MSDS Date:01/04/1999
FSC:9150
NIIN:01-035-5393
Status Code:A
MSDS Number: CKWLS
=== Responsible Party ===
Company Name:EQUILON ENTERPRISES LLC, PRODUCT STEWARDSHIP
Box:674414
City:HOUSTON
State:TX
ZIP:77267-4414
Country:US
Info Phone Num:877-276-72
85
Emergency Phone Num:877-276-7283
Resp. Party Other MSDS Num.:864020E-09
Chemtrec Ind/Phone:(800)424-9300
CAGE:TO300
=== Contractor Identification ===
Company Name:EQUILON ENTERPRISES LLC, PRODUCT STEWARDSHIP
Box:674414
City:HOUSTON
State:TX
ZIP:77267-4414
Country:US
Phone:877-276-7285
CAGE:TO300
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 N

ame:DISTILLATES, ACID-TREATED HEAVY NAPHTHENIC
CAS:64742-18-3
RTECS #:PY8032000
Minumum % Wt:0.
Maxumum % Wt:95.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:300 PPM
ACGIH TLV:300 PPM

Ingred Name:HYDROTREATED MIDDLE PETROLEUM DISTILLATE
CAS:64742-46-7
RTECS #:JN9379645
Minumum % Wt:0.
Maxumum % Wt:95.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3 AS OIL MIST
ACGIH TLV:5 MG/M3 AS OIL MIST

Ingred Name:SEVERELY HYDROTREATED HEAVY NAPHTHENIC DISTILLATE/MINERAL
OIL
CAS:64742-52-5
RTECS #:PY8
035000
Minumum % Wt:0.
Maxumum % Wt:95.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3 AS OIL MIST
ACGIH TLV:5 MG/M3 AS OIL MIST

Ingred Name:SEVERELY HYDROTREATED LIGHT NAPHTHENIC DISTILLATE/MINERAL
OIL
CAS:64742-53-6
RTECS #:PY8036000
Minumum % Wt:0.
Maxumum % Wt:95.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:SOLVENT REFINED HYDROTREATED RESIDUAL OIL
CAS:64742-57-0
Minumum % Wt:0.
Maxumum % Wt:95.
Other REC Limits:NONE RECOMM

ENDED
OSHA PEL:5 MG/M3 AS OIL MIST
ACGIH TLV:5 MG/M3 AS OIL MIST

Ingred Name:ADDITIVES
< Wt:10.
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL, RAT LD50 > 5.0 G/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE CONTACT: BASED ON COMPONENT
INFORMATION PRODUCT IS NO MORE THAN MINIMALLY IRRITATING TO THE
EYES. S
KIN CONTACT: BASED ON COMPONENT INFORMATION PRODUCT IS NO
MORE THAN MILDLY IRRITATING TO THE SKIN. PROLONGED OR REPEATED
CONTACT CAN RESULT IN VARIOUS SKIN DISORDERS SUCH AS DERMATITIS,
FOLLICULITIS OR OIL ACNE. INHALATION: INHALATION OF VAPORS
(GENERATED AT HIGH TEMPERATURES ONLY) OR OIL MIST FROM THIS
PRODUCT MAY CAUSE MINOR IRRITATION OF THE MUCOUS MEMBRANES OF THE
UPPER RESPIRATORY TRACT. INGESTION: BASED ON COMPONENT INFORMATION
THIS PRODUCT IS NOT MORE THAN SL
IGHTLY TOXIC IF SWALLOWED.
Explanation of Carcinogenicity:THIS PRODUCT AND ITS COMPONENTS ARE NOT
CLASSIFIED AS CARCINOGENS BY INTERNATIONAL AGENCY FOR RESEARCH ON
CANCER (IARC), NATIONAL TOXICOLOGY PROGRAM (NTP) OR OCCUPATIONAL
SAFETY AND HEALTH ADMINISTRATION (OSHA).
Effects of Overexposure:IRRITATION.
Medical Cond Aggravated by Exposure:PREEXISTING SKIN AND RESPIRATORY
DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING
EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN CONTACT: REMOVE
CONTAMINATED CLOTHING AND WIPE EXCESS OFF. WASH WITH SOAP AND WATER
OR A WATERLESS HAND CLEENNER FOLLOWED BY SOAP AND WATER. IF
IRRITATION OCCURS, GET MEDICAL ATTENTION. INHALATION: REMOVE VICTIM
TO FRESH AIR AND PROVIDE OXYGEN IF BREATHINGG IS DIFFICULT. GET
MEDICAL ATTENTION. INGE STION: DO NOT INDUCE VOMITING. IN GENERAL

NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE
INGESTED. HOWEVER, GET MEDICAL ADVICE.

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

Flash Point Method:PMCC

Flash Point:=154.4C, 310.F

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

Fire Fighting Procedures:MATERIAL WILL NOT BURN UNLESS PREHEATED. DO
NOT ENTER CONFINED FIRE-SPA

CE WITHOUT FULL BUNKER GEAR (HELMET WITH
FACESHIELD, BUNKER COATS/GLOVES/RUBBER BOOTS), INCLUDING A
POSITIVE-PRESSURE NIOSH-APPROVED SELF-CONTAINED BREATHING
APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard:NONE IDENTIFIED.

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

Spill Release Procedures:MAY BURN THOUGH NOT READILY IGNITABLE. USE
CAUTIOUS JUDGEMENT WHEN CLEANING UP LARGE SPILLS. LARGE SPILLS:
WEAR RESPIRATORS & P

ROTECTIVE CLOTHING AS APPROPRIATE. SHUT OFF
SOURCE OF LEAK IF SAFE TO DO SO. DIKE & CONTAIN. REMOVE WITH
VACUUM TRUCKS OR PUMP TO SALVAGE VESSELS. SOAK UP RESIDUE WITH AN
ABSORBENT . DISPOSE OF PROPERLY. SMALL SPILLS: TAKE WITH AN
ABSORBENT MATERIAL & DISPOSE OF PROPERLY.

Neutralizing Agent:NO DATA PROVIDED BY MANUFACTURER.

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

Handling and Storage Precautions:MINIMIZE SKIN CONTACT. WASH WITH SOAP
AND WATER BE

FORE EATING, DRINKING, SMOKING OR USING TOILET
FACILITIES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY
DISPOSE OF CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, THAT
CANNOT BE DECONTAMINATED.

Other Precautions:STORE IN A COOL, DRYPLACE WITH ADEQUATE VENTILATION.
KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

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

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL
EPOSURE LIMITS USE

A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN A IR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS AND PARTICULATES.

Ventilation:USE ADEQUATE VENTILATION TO KEEP OIL MISTS OF THIS MATERIAL BELOW APPLICABLE STANDARD(S).

Protective Gloves:WEAR CHEMICAL RESISTANT GLOVES AS REQUIRED TO MINIMIZE SKIN CONTACT..

Eye Protection:WEAR SAFETY GOGGLES TO AVOID EYE CONTACT.

Other Protective Equipment:WEAR CHEMICAL RESISTANT CLOTHING AS REQUIRED TO MINIMIZE SKIN CONTACT.

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

Supplemental Safety and Health

TEST DATA FROM PUBLISHED LITERATURE AND/OR GLOVE MANUFACTURERS INDICATE THE BEST PROTECTION IS PROVIDED BY NITRILE GLOVES.

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

HCC:V6

Boiling Pt:B.P. Text:NOT AVAILABLE

Melt/Freeze Pt:=-27.C, -16.6F

M.P/F.P Text:POUR POINT

Vapor Pres: