

SOUTHWESTERN PETROLEUM CORP -- 201 MULTI-PURPOSE GEAR LUBE -- 9150-01-345-6142  
===== Product Identification =====

Product ID:201 MULTI-PURPOSE GEAR LUBE  
MSDS Date:04/28/1997  
FSC:9150  
NIIN:01-345-6142  
MSDS Number: BWGNR  
=== Responsible Party ===  
Company Name:SOUTHWESTERN PETROLEUM CORP  
Address:534 N MAIN ST  
Box:789  
City:FORT WORTH  
State:TX  
ZIP:76101  
Country:US  
Info Phone Num:817-332-2336  
Emergency  
Phone Num:817-332-2336, CHEMTREC 800-424-9300  
Chemtrec Ind/Phone:(800)424-9300  
CAGE:14392  
=== Contractor Identification ===  
Company Name:SOUTHWESTERN PETROLEUM CORP  
Address:534 N MAIN ST  
Box:961005  
City:FORT WORTH  
State:TX  
ZIP:76106  
Country:US  
Phone:817-348-7235  
Contract Num:SP0450-99-M-B270  
CAGE:14392

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

Ingred Name:SOLVENT REFINED HYDROTREATED RESIDUAL OIL  
CAS:64742-57-0  
Fraction by Wt: 100%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:BASE STOCK:SOLVENT DEWAXED RESIDUAL OIL (PETROLEUM)

CAS:64742-62-7

Other REC Limits:NONE RECOMMENDED

Ingred Name:BASE STOCK:MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD), HEAVY PARAFFINIC

CAS:64742-54-7

RTECS #:PY8035500

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:BASE STOCK:MINERAL OIL, PETROLEUM DISTILLATE, SOLVENT DEWAXED (MILD), HEAVY PARAFFINIC

CAS:64742-65-0

RTECS #:PY8038500

Other REC Limits:NONE RECOMMENDED

MMENDED

Ingred Name:BASE STOCK:SOLVENT REFINED, HYDROTREATED LIGHT PARAFFINIC DISTILLATE

CAS:64742-55-8

RTECS #:PY8036500

Other REC Limits:NONE RECOMMENDED

Ingred Name:BASE STOCK:DISTILLATES, SOLVENT-DEWAXED LIGHT PARAFFINIC

CAS:64742-56-9

RTECS #:PY8039500

Other REC Limits:NONE RECOMMENDED

OSHA PEL:300 PPM

ACGIH TLV:300 PPM

Ingred Name:BASE STOCK:MINERAL OIL, SOLVENT-REFINED HEAVY PARAFFINIC, MILDLY HYDROTREATED

CAS:64741-88-4

RTECS #:PY8040500

Other REC Limits:NONE RECOMMENDED

OSHA

PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES- IRRITATION MAY OCCUR. SKIN- PROLONGED AND REPEATED CONTACT HAS PRODUCED MILD IRRITATION AND INFLAMMATION. INGESTION- LOW ORDER OF ACUTE TOXICITY, BUT MINUTE AMOUNTS ASPIRATED INTO THE LUNGS DURING INGESTION MAY CAUSE

MILD

TO SEVERE PULMONARY INJURY AND POSSIBLY DEATH. INHALATION- NOT LIKELY ROUTE OF EXPOSURE.

Explanation of Carcinogenicity: IARC HAS DETERMINED THERE IS SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY IN EXPERIMENTAL ANIMALS OF USED MOTOR OIL.

Effects of Overexposure: CHRONIC: PROLONGED AND/OR REPEATED CONTACT WITH THIS MATERIAL MAY PRODUCE MILD SKIN IRRITATION AND INFLAMMATION.

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

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

First Aid: SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS. INHALATION: REMOVE TO FRESH AIR & RESTORE BREATHING IF NECESSARY. GET MEDICAL ATTENTION. EYE : IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. INGESTION: RELATIVELY NON-TOXIC UNLESS ASPIRATED INTO LUNGS.

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

Flash Point Method: COC

Flash Point: >354F, >179C

Autoignition Temp: Autoignition Temp Text: >260C

Lower Limits: 0.9

Upper Limits: 7

Extinguishing Media: USE WATER SPRAY, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard: COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. WATER MAY CAUSE FROTHING.

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

Spill Release Procedures: CONTAIN SPILL IMMEDIATELY. DO NOT ALLOW SPILL TO ENTER SEWERS OR WATERCOURSES, REMOVE ALL SOURCES OF IGNITION. ABSORB WITH APPROPRIATE INERT MATERIAL SUCH AS SAND, CLAY, ETC. LARGE SPILLS MAY BE PICKED UP USING VACUUM PUMPS, SHOVELS, BUCKETS, ETC.

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

Handling and Storage Precautions:DO NOT TRANSFER TO UNMARKED CONTAINERS. STORE IN CLOSED CONTAINERS AWAY FROM HEAT, SPARKS, OPEN FLAME, OR OXIDIZING MATERIALS.

Other Precautions:MINIMIZE SKIN CONTACT. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES THAT CAN NOT BE DECONTAMINATED.

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

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Respiratory Protection:NIOSH/MSHA-APPROVED RESPIRATORS TO MEET EXPOSURE LIMITS.

Ventilation:ADEQUATE VENTILATION.

Protective Gloves:CHEMICAL RESISTANT GLOVES (NITRILE BEST)

Eye Protection:WEAR CHEMICAL SAFETY GOGGLES OR FACE SHIELD.

Other Protective Equipment:WEAR PROTECTIVE CLOTHING, APRON AND BOOTS 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.

Supplementa

I Safety and Health

NONE

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

HCC:V6

Boiling Pt:>293.C, 559.4F

Vapor Density:>5

Spec Gravity:0.9

Solubility in Water:INSOLUBLE

Appearance and Odor:BLUE COLOR, LUBE OIL ODOR.

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIANTS (AS RELATED TO GENERAL ORGANIC MATERIALS)

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION.

H

azardous Decomposition Products:CARBON MONOXIDE AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

Conditions to Avoid Polymerization:DOES NOT OCCUR.

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

Waste Disposal Methods:WASTE MAY BE BURNED IN AN APPROVED INCINERATOR OR DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS. RECYCLE IF POSSIBLE.

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