

SOUTHWESTERN PETROLEUM CORP -- 201 MULTI-PURPOSE GEAR LUBE -- 9150-01-345-6141  
===== Product Identification =====

Product ID:201 MULTI-PURPOSE GEAR LUBE  
MSDS Date:02/13/1996  
FSC:9150  
NIIN:01-345-6141  
MSDS Number: BNVFL  
=== 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:CHEMTREC 800-424-9300

CAGE:14392  
=== Contractor Identification ===  
Company Name:EXXON CO USA-SOUTHWEST GREASE BUSINESS UNIT  
Address:1400 S HARRISON  
Box:1974  
City:OLATHE  
State:KS  
ZIP:66061  
Country:US  
Phone:913-656-3701/800-424-9300(CHEMTREC)  
CAGE:70878  
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  
CAGE:14392

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

Ingred Name:SOLV

ENT REFINED HYDROTREATED RESIDUAL OIL/PETROLEUM  
LUBRICATING OIL BASE STOCK. TOTAL PERCENTGE OF INGREDIENTS 1-7: 100  
CAS:64742-57-0  
Fraction by Wt: SEE ING  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG/M3 AS OIL MIST  
ACGIH TLV:5 MG/M3 AS OIL MIST

Ingred Name:SOLVENT DEWAXED RESIDUAL OIL (PETROLEUM)  
CAS:64742-62-7  
Fraction by Wt: SEE # 1%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG/M3 AS OIL MIST  
ACGIH TLV:5 MG/M3 AS OIL MIST

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED  
(MILD), HEAVY PARAFFINIC  
CAS:64742-54-7  
RTECS #:PY8035500  
Fraction by Wt: SEE # 1%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG/M3 (OIL MIST)  
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATE, SOLVENT DEWAXED (MILD),  
HEAVY PARAFFINIC  
CAS:64742-65-0  
RTECS #:PY8038500  
Fraction by Wt: SEE # 1%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG/M3 AS OIL MIST  
ACGIH TLV:5 MG/M3 AS OIL MIST

Ingred Name:SOLVENT REFINED, HYDROTREATED LIGHT PARAFFINIC DISTILLATE  
CAS:6474  
2-55-8  
RTECS #:PY8036500  
Fraction by Wt: SEE # 1%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG/M3 AS OIL MIST  
ACGIH TLV:5 MG/M3 AS OIL MIST

Ingred Name:DISTILLATES, SOLVENT-DEWAXED LIGHT PARAFFINIC  
CAS:64742-56-9  
RTECS #:PY8039500  
Fraction by Wt: SEE # 1%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG/M3 AS OIL MIST  
ACGIH TLV:5 MG/M3 AS OIL MIST

Ingred Name:MINERAL OIL, SOLVENT REFINED HEAVY PARAFFINIC, SEVERELY  
HYDROTREATED  
CAS:64741-88-4  
RTECS #:PY8040501  
Fraction by Wt: SEE # 1%  
Ot

her REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

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

LD50 LC50 Mixture:TLV FOR OIL MIST IS 5 MG/M3.

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

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN,  
GASTROINTESTINAL TRACT. ACUTE- EYE CONTACT MAY CAUSE IRRITATION.  
PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE MILD IRRITATION AND

INFLAMMATION. VAPOR INHALATION UNDER AMBIENT CONDITION IS NORMALLY NOT A PROBLEM. LOW ORDER OF ORAL TOXICITY; BUT ASPIRATION HAZARD. CHRONIC- SKIN INFLAMMATION.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, NAUSEA, VOMITING, ABDOMINAL DISCOMFORT, TEARING, COUGHING

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN:REMOVE CONTAMINATED CLOTHING. WIPE EXCESS OFF. WASH SKIN WITH SOAP & WATER. EYE:FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. INHALED:MOVE TO FRESH AIR. ORAL:DO NOT INDUCE VOMITING. GETMEDICAL ATTENTION IMMEDIATELY.

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

Flash Point Method:COC

Flash Point:>354F,>179C

Autoignition Temp:Autoignition Temp Text:>500F

Lower Limits

:0.9

Upper Limits:7

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

Fire Fighting Procedures:USE WATER TO KEEP FIRE-EXPO CONTAINER COOL.WATERSPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURES.

Unusual Fire/Explosion Hazard:WATER OR FOAM MAY CAUSE FROTHING.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. REMOVE SPILL WITH INERT ABORBENT SUCH AS SAND, CLAY, EARTH. TRANSFER TO PROPER

CONTAINERS FOR DISPOSAL. PREVENT RUN-OFF TO ENTER SEWERS OR WATERWAYS. WASH AREA TO REMOVE TRACE RESIDUE.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE AWAY FROM STRONG OXIDIZING AGENTS. KEEP CONTAINER CLOSED.

Other Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE. ALL PRECAUTIONS SHOULD BE OBSERVED. WASH THOROUGHLY AFTER HANDLING. KEEP OUT OF REACH OF CHILDREN. AVOID BREATHING MISTS /VAPORS. AVOID REPEATED SKIN CONTACT. DO NOT GET IN EYES. DO NOT INGEST.

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

Respiratory Protection:NOT REQUIRED UNDER NORMAL CONDITIONS OF USE. IF HIGH VAPOR OR MIST CONCENTRATIONS EXPECTED, USE NIOSH APPROVED CHEMICAL CARTRIDGE RESPIRATOR FOR ORGANIC VAPORS AND MISTS. REFER TO 29 CFR 1910.134.

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

Protective Gloves:

NITRILE IF FREQUENT CONTACT EXPECTED

Eye Protection:SAFETY GOGGLES RECOMMENDED

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH BEFORE EATING OR DRINKING.

Supplemental Safety and Health

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

HCC:V6

Boiling Pt:B.P. Text:>559F,>293C

Melt/Freeze Pt:M.P/F.P Text:

NA

Decomp Temp:Decomp Text:NP

Vapor Pres:NP

Vapor Density:>5

Spec Gravity:0.9

pH:NA

Evaporation Rate & Reference:NP

Solubility in Water:NO.

Appearance and Odor:LUBE OIL ODOR, BULE COLOR.

Percent Volatiles by Volume:NONE

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDANTS (AS RELATED TO GENERAL ORGANIC MATERIALS).

Stability Condition to Avoid:HEAT AND IGNITION SOURCES.

Hazardous Decomposition Pro

ducts:A COMPLEX MIXTURE OF AIRBORNE SOLID,  
LIQUID, PARTICULATES & GASES WILL EVOVLE. CARBON MONOXIDE & OTHER  
COMPD. MAY FORM.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL STATE AND  
FEDERAL LAWS. LANDFILL OR INCINERATION IS RECOMMENDED.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department  
of Defense. The United  
States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.