

SOUTHWEST PETRO-CHEM DIV WITCO CHEMICAL CORP -- SF 871-1010 -- 9150-00-231-2361  
===== Product Identification =====

Product ID:SF 871-1010  
MSDS Date:07/21/1989  
FSC:9150  
NIIN:00-231-2361  
MSDS Number: BRDHX  
=== Responsible Party ===  
Company Name:SOUTHWEST PETRO-CHEM DIV WITCO CHEMICAL CORP  
Address:1400 S HARRISON  
Box:1974  
City:OLATHE  
State:KS  
ZIP:66061  
Country:US  
Info Phone Num:913-782-5800  
Emergenc  
y Phone Num:913-782-5800/800-424-9300(CHEMTREC)  
Preparer's Name:RAY LAWSON  
CAGE:70878  
=== 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

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

Ingred Name:PETROLEUM HYDROCARBON  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG/M3 AS OIL MIST  
ACGIH TLV:5 MG/M3 AS OIL MI

ST

Ingred Name:ADDITIVES

Other REC Limits:NONE RECOMMENDED

Ingred Name:BARIUM COMPOUNDS

Fraction by Wt: 4.7% MAX

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.5 MG/M3 AS BA

ACGIH TLV:0.5 MG/M3 AS BA

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

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

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

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

Health Hazards Acute and Chronic:ACUTE- DATA NOT AVAILABLE. CHRONIC-  
NONE W

HEN USED WITH GOOD PERSONAL HYGIENE PRACTICES. MAY OTHERWISE  
CAUSE SKIN AND EYE IRRITATION UPON PROLONGED OR REPEATED CONTACT.

Effects of Overexposure:EYE AND SKIN IRRITATION MAY OCCUR UPON  
PROLONGED OR REPEATED CONTACT.

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

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

First Aid:SKIN:REMOVE EXCESS OIL WITH CLOTH OR PAPER. WASH SKI  
N WITH

SOAP & WATER. EYE:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS  
OPEN. SEE A DOCTOR. INHALED:REMOVE TO FRESH AIR. ORAL:CONTACT A  
PHYSICIAN IMMEDIATELY.

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

Flash Point Method:COC

Flash Point:334F,168C

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
CHEMICAL. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT MAY FLOAT &  
REIGNITE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPM

ENT AND A

FULL FACED SELF CONTAINED BREATHING APPARATUS IN + PRESSURE MODE.  
COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:NORMAL COMBUSTION FORMS CARBON DIOXIDE.  
INCOMPLETE COMBUSTION MAY PRODUCE CARBON MONOXIDE.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. VENTILATE AREA.  
STOP LEAK. CONTAIN LARGE SPILL. PUMP IT TO TRUCK. SOAK UP  
RESIDUE/SMALL SPILLS WITH CLAY/SAND. TR  
ANSFER TO PROPER CONTAINER  
FOR DISPOSAL. IF FEASIBLE, REMOV E CONTAMINATED SOIL. REPORT LARGE  
SPILLS IF NEEDED  
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN CLOSED CONTAINER AWAY FROM  
HEAT, FLAME & STRONG OXIDANTS.  
Other Precautions:EMPTY CONTAINER MAY CONTAIN PRODUCT RESIDUE. DO NOT  
WELD, HEAT OR DRILL CONTAINER. RESIDUE MAY IGNITE WITH EXPLOSIVE  
VIOLENCE IF HEATED SUFFICIENTLY.  
WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:NON REQUIRED UNDER NORMAL CONDITIONS. IF HIGH  
VAPOR OR MIST CONCENTRATIONS EXPECTED, USE NIOSH-APPROVED  
RESPIRATOR FOR ORGANIC VAPORS AND MISTS.  
Ventilation:NONE REQUIRED IF USED AS INTENDED  
Protective Gloves:NONE NORMALLY REQUIRED.  
Eye Protection:CHEMICAL SAFETY GOGGLES/FULL FACE SHIELD  
Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.  
INDUSTRIAL  
-TYPE WORK CLOTHING AND APRON AS REQUIRED.  
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR  
FOOTWEAR.  
Supplemental Safety and Health  
FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A UNDER THE SAME  
NSN.

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

HCC:V6  
Spec Gravity:0.926  
Viscosity:>=100SUS@100F  
Evaporation Rate & Reference:NOT RELEVANT  
Solubility in Water:NEGLIGIBLE  
Appe

arance and Odor:AMBER LIQUID - MINERAL OIL ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS SUCH AS HYDROGEN PEROXIDE, BROMINE AND CHROMIC ACID

Stability Condition to Avoid:EXTREME HEAT, FLAMES

Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIE, OXIDES OF SULFUR, CALCIUM AND BARIUM

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

Waste Disposal Methods:DISPOSE OF

IN COMPLIANCE WITH ALL APPLICABLE

LOCAL, STATE AND FEDERAL REGULATIONS.

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