SECTION 01: CHEMICAL PRODUCT & COMPANY ID
TRADENAME: HEAVY DUTY MULTI-PURPOSE GREASE
10C2284
MSDS SIGNED BY NAME: RAY D. LAWSON
MSDS SIGNED BY TITLE: MANAGER TECHNICAL COMPLIANCE
SAFE USE CATEGORY AND DESCRIPTION: 04 - METAL WORKING FLUIDS AND LUBRICANTS
MSDS CREATE DATE: 1985-01-01
LAST UPDATED DATE: 1987-10-01
MANUFACTURER'S ID (MID): 000550283
MANUFACTURER'S NAME: EXXON CO., USA (FORMER SOUTHWEST PETRO)
MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 913-732-5600
MANUFACTURER'S MAILING ADDRESS:
ALSO SEE GMB #519500 (EXXON)
1400 S. HARRISON
OLATHE KS 66061
US
CHEMICAL FAMILY NAME: PETROLEUM HYDROCARBON PLUS ADDITIVES
MOLECULAR FORMULA: NA

SECTION 02: COMPOSITION & INGREDIENT INFO
CAS# FORMULATION W/V CHEMICAL NAME
007620771 R 6.0000/9.0000% W Octadecanoic acid, 12-hydroxy-, no niochlitium salt
015337185 < 0.0000/5.0000% W Zinc, bis(dipentylcarbamodithioato - S,S'), (T-4)-
064742014 R 46.0000/49.0000% W Residual oils, petroleum solvent-refined
007620725 R 11.0000/14.0000% W MINERAL OIL, PETROLEUM DISTILATES, HYDROTREATED (severe)
064742536 R 30.0000/33.0000% W MINERAL OIL, PETROLEUM DISTILATES, HYDROTREATED (severe)
989944507 < 0.0000/1.0000% W NA-SUL 707
THRESHOLD LIMIT VALUE: NA
PERMISSIBLE EXPOSURE LIMIT: NA
CERCLA (SUPERFUND) REPORTABLE QUANTITY (LBS): NA

SECTION 03: HAZARDS IDENTIFICATION
PRIMARY ENTRY ROUTE INDICATORS:
SKIN PRIMARY ENTRY ROUTE INDICATOR = Y
EYE PRIMARY ENTRY ROUTE INDICATOR = Y
INHALATION PRIMARY ENTRY ROUTE INDICATOR = N
INGESTION PRIMARY ENTRY ROUTE INDICATOR = N
PRIMARY Routes OF ENTRY TEXT: SKIN, EYE.
EFFECTS OF OVEREXPOSURE: NONE WHEN USED WITH GOOD PERSONAL HYGIENE PRACTICES. MAY OTHERWISE CAUSE SKIN AND EYE IRRITATION UPON PROLONGED OR REPEATED CONTACT.

SECTION 04: FIRST AID MEASURES
EMERGENCY FIRST AID PROCEDURES - GENERAL: EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. SKIN: REMOVE EXCESS WITH CLOTH OR PAPER, WASH THOROUGHLY WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. IF SWALLOWED: CALL A PHYSICIAN.

SECTION 05: FIRE-FIGHTING MEASURES
EXTINGUISHING MEDIA: DRY CHEMICAL, CARBON DIOXIDE, FOAM, WATERFOG. SAND, EARTH.
SPECIAL FIRE FIGHTING PROCEDURES: FIREFIGHTERS SHOULD WEAR AN APPEACH SELF-CONTAINED BREATHING APPARATUS. WATER MAY CAUSE FROTHING.
UNUSUAL FIRE AND EXPLOSION HAZARDS: DENSE SMOKE.
FLASH POINT TEMPS: > 160.000C/320.000F
FLASH POINT TEXT: > 320F/160C COC

SECTION 06: ACCIDENTAL RELEASE MEASURES
SPILL OR LEAK PROCEDURES: TRANSFER BULK OF MATERIAL INTO ANOTHER CONTAINER. ABSORB REMAINING RESIDUE WITH PROPER ABSORBENTS SUCH AS SAND, EARTH, VERMICULITE. SWEEP UP AND DISPOSE AS SOLID WASTE IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 07: HANDLING AND STORAGE
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP CONTAINERS CLOSED WHEN NOT IN USE.

SECTION 08: EXPOSURE CONTROLS - PROTECTION
EYE PROTECTION: CHEMICAL SAFETY GOGGLES AND FULL FACE SHIELD IF HANDLED HOT.
RESPIRATORY PROTECTION: NONE REQUIRED.
PPE: NONE REQUIRED.
CHEMICAL FAMILY NAME: PETROLEUM HYDROCARBON PLUS ADDITIVES
MOLECULAR FORMULA: NA

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES
ANALYTICAL VOC WITHOUT WATER: NA
THEORETICAL VOC WITHOUT WATER: NA
CASI FORMULATION
W/V CHEMICAL NAME
BOILING POINT TEXT: NOT DETERMINED
SPECIFIC GRAVITY TEXT: = 0.941 (ROOM TEMPERATURE)
VAPOR DENSITY TEXT: N/D
VAPOR PRESSURE TEXT: ND
PERCENT VOLATILE BY VOLUME TEXT: NA
MINERAL OIL, PETROLEUM DISTILATES, HYDROTREATED (severe)
PERCENT SOLID BY WEIGHT TEXT: NA
HEAVY NAPHTHENIC EVAPORATION RATE TEXT: N/A
SOLUBILIN IN WATER VALUES/UOM: 25.0000
LIGHT NAPHTHENIC PH OF PRODUCT IN SOLUTION WITH WATER TEXT: N/A
APPEARANCE: AMBER SEMI-SOLID / MINERAL OIL ODOR
PHYSICAL STATE: SOL
PERMISSIBLE EXPOSURE LIMIT: NA
CERCLA (SUPERFUND) REPORTABLE QUANTITY (LBS): NA

SECTION 10: STABILITY & REACTIVITY
STABILITY INDICATOR: Y
STABILITY - CONDITIONS TO AVOID: EXTREMELY HIGH TEMPERATURES.
INCOMPATIBLE MATERIALS: STRONG OXIDIZING AGENTS SUCH AS: CHROMIC ACID, HYDROGEN PEROXIDE, BROMINE.
Hazardous Polymerization Indicator: N
Hazardous Polymerization - Conditions to Avoid: EXTREMELY HIGH TEMPERATURES.

SECTION 11: DISPOSAL CONSIDERATIONS
WASTE DISPOSAL METHOD: BY METHODS CONSISTENT WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 16: OTHER INFORMATION
WASTE DISPOSAL METHOD: BY METHODS CONSISTENT WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 17: OTHER INFORMATION
WASTE DISPOSAL METHOD: BY METHODS CONSISTENT WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 18: OTHER INFORMATION
WASTE DISPOSAL METHOD: BY METHODS CONSISTENT WITH LOCAL, STATE AND FEDERAL REGULATIONS.