

EXXON COMPANY USA -- COOLANOL OS-59, 212345 - 02345

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MSDS Safety Information  
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FSC: 9160  
NIIN: 00-943-4691  
MSDS Date: 06/01/1999  
MSDS Num: CKBBX  
Product ID: COOLANOL OS-59, 212345 - 02345  
MFN: 01  
Responsible Party  
Cage: OTS34  
Name: EXXON COMPANY USA  
Box: 2180  
City: HOUSTON TX 77252-2810  
Info Phon  
e Number: 800-443-9966  
Emergency Phone Number: (800)424-9300/713-656-3424  
Chemtrec IND/Phone: (800)424-9300  
Proprietary Ind: Y  
Published: Y

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Contractor Summary  
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Cage: OTS34  
Name: EXXON MOBIL LUBRICANTS AND PETROLEUM SPECIALTIES CO.  
Address: 3225 GALLOWS RD  
City: FAIRFAX VA 22037  
Phone: 703-846-4240  
Contract Number: SP0560-99-M-B422  
Cage: OTS34  
Name: EXXON MOBIL LUBRICANTS AND PETROLEUM  
SPECIALTIES CO.  
Address: 3225 GALLOWS RD  
City: FAIRFAX VA 22037  
Phone: 703-846-4240  
Contract Number: SP0560-99-M-Y642

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Item Description Information  
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Item Manager: S9I  
Item Name: INSULATING OIL,ELECTRICAL  
Specification Number: MIL-C-47220  
Type/Grade/Class: TYPE III  
Unit of Issue: GL  
UI Container Qty: Y  
Type of Container: CAN

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Name: \*\*\* PROPRIETARY \*\*\*  
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Health Hazards Data

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LD50 LC50 Mixture: ORAL LD50(RAT): >5 G/KG OF BODY WEIGHT

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Effects of Exposure: PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE SKIN IRRITATION. REPEATED & PROLONGED OVEREXPOSURE T

O OIL MISTS MAY RESULT IN

DROPLET DEPOSITION, OIL GRANULOMA FORMATION, INFLAMMATION & INCREASED INCIDENCE OF INFECTION. PROLONGED OR REPEATED SKIN CONTACT WITH THIS PRODUCT TENDS TO REMOVE SKIN OILS, POSSIBLY LEADING TO IRRITATION & DERMATITIS.

PRODUCT CONTACTING THE EYE MAY CAUSE EYE IRRITATION. PRODUCT HAS A LOW ORDER OF ACUTE ORAL & DERMAL TOXICITY, BUT MINUTE AMOUNTS ASPIRATED INTO THE LUNGS DURING INGESTION OR VOMITING MAY CAUSE MILD TO SEVERE PULMONARY INJURY &

p; POSSIBLY DEATH.

Explanation Of Carcinogenicity: IN ACCORDANCE WITH THE CURRENT OSHA HAZARD COMMUNICATION STANDARD CRITERIA, THIS PRODUCT DOES NOT REQUIRE A CANCER HAZARD WARNING. THIS PRODUCT DOES CONTAINS SYNTHETICALLY DERIVED MATERIALS.

Signs And Symptoms Of Overexposure: REPEATED AND PROLONGED OVEREXPOSURE TO OIL MISTS MAY RESULT IN DROPLET DEPOSITION, OIL GRANULOMA FORMATION, INFLAMMATION AND INCREASED INCIDENCE OF INFECTION. PROLONGED OR REPEATED SKIN CONTACT WITH THIS PRODUC

T TENDS TO REMOVE SKIN OILS, POSSIBLY LEADING TO IRRITATION AND DERMATITIS; HOWEVER, BASED ON HUMAN EXPERIENCE AND AVAILABLE TOXICOLOGICAL DATA, THIS PRODUCT IS JUDGED TO BE NEITHER A "CORRO SIVE" NOR AN "IRRITANT" BY OSHA CRITERIA. PRODUCT CONTACTING THE EYES MAY CAUSE EYE IRRITATION.

Medical Cond Aggravated By Exposure: NONE RECOGNIZED.

First Aid: EYE- FLUSH WITH CLEAR WATER FOR 15 MINS OR UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, CALL PHYSICIAN. SKIN- REMOVE CONTAMINATED CLO

THING & WASH SKIN WITH SOAP & WATER. IF PRODUCT IS INJECTED IN TO/UNDER THE SKIN/OR INTO ANY PART OF THE BODY, THE INDIVIDUAL SHOULD BE EVALUATED IMMEDIATELY BY A PHYSICIAN AS A SURGICAL EMERGENCY. INHALATION-IF OVERCOME BY VAPOR FROM HOT PRODUCT, IMMEDIATELY REMOVE FROM EXPOSURE & CALL A PHYSICIAN. IF BREATHING IS IRREGULAR OR HAS STOPPED, START RESUSCITATION; ADMINISTER OXYGEN, IF AVAILABLE. INGESTION-DO NOT INDUCE VOMITING; CALL A PHYSICIAN IMMEDIATELY.  
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Handling and Disposal  
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Spill Release Procedures: RECOVER FREE PRODUCT. ADD SAND, EARTH, OR OTHER SUITABLE ABSORBENT TO SPILL AREA. MINIMIZE SKIN CONTACT. KEEP PRODUCT OUT OF SEWERS AND WATERCOURSES BY DIKING OR IMPOUNDING. ADVISE AUTHORITIES IF PRODUCT HAS ENTERED OR MAY ENTER SEWERS, WATERCOURSES, OR EXTENSIVE LAND AREAS. ASSURE CONFORMITY WITH APPLICABLE GOVERNMENTAL REGULATIONS.

Waste Dis

posal Methods: ASSURE CONFORMITY WITH APPLICABLE GOVERNMENTAL REGULATIONS.

Handling And Storage Precautions: DO NOT ATTEMPT TO REFILL OR CLEAN CONTAINERS SINCE RESIDUE IS DIFFICULT TO REMOVE. "EMPTY" DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM RECONDITIONER. ALL OTHER CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH REGULATIONS

Other Precautions: EMPTY CONTAINERS RETAIN RESIDUE (LIQUID AND/OR VAPOR) AND

CAN BE DANGEROUS. SO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

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Fire and Explosion Hazard Information  
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Flash Point Method: COC

Flash Point: =223.9C, 435.F

Autoignition Temp: >232.2C, 450.F

Extinguishing Media: USE WATER SPRAY,

Y, DRY CHEMICAL, FOAM OR CARBON DIOXIDE TO

EXTINGUISH THE FIRE. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL.

Fire Fighting Procedures: USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL. IF A LEAK OR SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS & PROVIDE PROTECTION FOR PERSONS ATTEMPTING TO STOP A LEAK. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURES. USE SUPPLIED-AIR BREATHING EQUIPMENT FOR ENCLOSED OR CONFINED SPACES.

Unusual Fire/Explosion Hazard: MIN

IMIZE BREATHING OF GASES, VAPOR, FUMES OR DECOMPOSITION PRODUCTS.

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Control Measures  
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Respiratory Protection: USE SUPPLIED-AIR RESPIRATORY PROTECTION IN CONFINED OR ENCLOSED SPACES, IF NEEDED.

Ventilation: USE LOCAL EXHAUST TO CAPTURE VAPOR, MISTS OR FUMES, IF NECESSARY.

Protective Gloves: CHEMICAL-RESISTANT

Eye Protection: SPLASH GOGGLES OR FACE SHIELD

Work Hygienic Practices: CLEA

NSE SKIN THOROUGHLY AFTER CONTACT, BEFORE BREAKS AND MEALS, & AT END OF WORK PERIOD. PRODUCT IS READILY REMOVED FROM SKIN BY WATERLESS HAND CLEANERS FOLLOWED BY WASHING THOROUGHLY WITH SOAP & WATER  
Supplemental Safety and Health: AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. REMOVE CONTAMINATED CLOTHING; LAUNDRY OR DRY-CLEAN BEFORE RE-USE. REMOVE CONTAMINATED SHOES AND THOROUGHLY CLEAN BEFORE RE-USE; DISCARD IF OIL-SOAKED.

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Physical  
/Chemical Properties  
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HCC: V5  
Boiling Point: >370.C, 698.F  
Vapor Pres: <0.001 PSIA@100F  
Vapor Density: 19  
Spec Gravity: 0.882 - 0.979  
Viscosity: 9 CST @ 25F  
Solubility in Water: VERY LOW  
Appearance and Odor: CLEAR LIQUID, MILD, SWEET ODOR.

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Reactivity Data  
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Stability Indicator: YES  
Stability Condition To Avoid: THIS PRODUCT IS STABLE AND WILL NOT REACT VIOLENTLY WITH WATER.  
Materials To Avoid: AVOID CONTACT WITH STRONG OXIDANTS SUCH AS LIQUID CHLORINE, CONCENTRATED OXYGEN, SODIUM HYPOCHLORITE, CALCIUM HYPOCHLORITE, ETC., AS THIS PERSENTS A SERIOUS EXPOSITION HAZARD.  
Hazardous Decomposition Products: FUMES, SMOKE, CARBON MONOXIDE, SULFUR OXIDES, ALDEHYDES, SILICATE ESTERS AND OTHER DECOMPOSITION PRODUCTS, IN THE CASE OF INCOMPLETE COMBUSTION.  
Hazardous Polymerization Indicator: NO  
Conditions To Avoid Polymerization: WILL NOT OCCUR

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Toxicological Information  
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Toxicological Information: THIS PRODUCT, AS MANUFACTURED BY EXXON, DOES NOT CONTAIN POLYCHLORINATED BIPHENYLS (PCB'S).

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Ecological Information  
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Ecological: THIS PRODUCT MAY BE CLASSIFIED AS AN OIL SECTION 311 OF THE CLEAN W

ATER ACT, AND UNDER THE OIL POLLUTION ACT. DISCHARGES OR SPILLS INTO OR LEADING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER (1-800-424-8802).

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MSDS Transport Information  
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Transport Information: U.S. DOT HAZARDOUS MATERIALS SHIPPING DESCRIPTION: NOT REGULATED.

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Regulatory Information  
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Federal Regulatory Information: TSCA: THIS PRODUCT CONTAINS THE FOLLOWING TSCA 12B REPORTABLE CHEMICAL SUBSTANCE(S): 2-ETHYLHEXANOL CAS#104-76-7.

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Other Information  
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Other Information: TO PREVENT FIRE OR EXPLOSION RISK FROM STATIC ACCUMULATION & DISCHARGE, EFFECTIVELY BOND AND/OR GROUND PRODUCT TRANSFER SYSTEM IN ACCORDANCE WITH (THE) NATIONAL FIRE PROTECTION ASSOCIATION PUBLICATION S. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE NEAR HEAT, SPARKS, FLAME OR STRONG OXIDANTS.

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Transportation Information  
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Responsible Party Code: OTS34  
Trans ID NO: 151294  
Product ID: COOLANOL OS-59, 212345 - 02345  
MSDS Prepared Date: 06/01/1999  
Review Date: 04/24/2000  
MFN: 1  
Net Unit Weight: 8.2 LBS  
Multiple KIT  
Number: 0  
Review IND: Y  
Unit Of Issue: GL  
Container QTY: Y  
Type Of Container: CAN  
Additional Data: TRANSPORTATION DATA PER MANUFACTURERS MSDS.

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Detail DOT Information  
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DOT PSN Code: ZZZ  
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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Detail IMO Information  
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IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

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Detail IATA Information

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IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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Detail AFI Information

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AFI PSN Code: ZZZ

AFI Proper Shipping Name

: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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HAZCOM Label

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Product ID: COOLANOL OS-59, 212345 - 02345

Cage: 0TS34

Company Name: EXXON MOBIL LUBRICANTS AND PETROLEUM SPECIALTIES CO.

Street: 3225 GALLOWS RD

City: FAIRFAX VA

Zipcode: 22037

Health Emergency Phone: (800)424-9300/713-656-3424

Label Required IND: Y

Date Of Label Review: 04/24/2000

Status Code: C

Origination Code: F

Eye Prot

ection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory Protection IND: YES

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: Slight

Reactivity Hazard: None

Hazard And Precautions: PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE SKIN IRRITATION. REPEATED & PROLONGED OVEREXPOSURE TO OIL MISTS MAY RESULT IN DROPLET DEPOSITION, OIL GRANULOMA FORMATION, INFLAMMATION & INCREASED INCIDENCE OF INFECTION. PROLONGED OR REPEATED SKIN CONTACT WITH THIS PRODUCT TENDS

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