

EXXON COMPANY,U.S.A. -- EXXON TURBO OIL 2197 -- 9150-01-439-0756

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Product Identification  
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Product ID:EXXON TURBO OIL 2197

MSDS Date:11/12/1997

FSC:9150

NIIN:01-439-0756

Status Code:A

MSDS Number: CJLSX

=== Responsible Party ===

Company Name:EXXON COMPANY,U.S.A.

Address:800 BELL ST

Box:2180

City:HOUSTON

State:TX

ZIP:77252-2180

Country:US

Info Phone Num:713-870-6000

Emergency Phone Num:(7

13)656-3424

Chemtrec Ind/Phone:(800)424-9300

CAGE:EO384

=== Contractor Identification ===

Company Name:EXXON COMPANY

Address:200 PARK AVE

Box:City:FLORHAM PARK

State:NJ

ZIP:07932-1002

Country:US

Phone:9737655498

Contract Num:SP0450-99-M-B183

CAGE:1DKH2

Company Name:EXXON COMPANY,U.S.A.

Address:800 BELL ST

Box:2180

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CAGE:EO384

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Composition/Information on Ingredients  
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Ingred Name:SYNTHETIC POLYOL FATTY

ACID ESTERS

Minumum % Wt:90.

Maxumum % Wt:95.

Ingred Name:PHOSPHORIC ACID, TRIS(METHYLPHENYL) ESTER (ORTHO ISOMER IS LESS THAN 0.1%)

CAS:1330-78-5

RTECS #:TD0175000

&lt; Wt:2.

Ingred Name:MIXED AROMATIC AMINES

&lt; Wt:5.

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

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

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

Health Hazards Acute and Chronic:HEALTH STUDIES HAVE SHOWN THAT MANY PETROLEUM HYDROCARB

ONS AND SYNTHETIC LUBRICANTS POSE POTENTIAL

HUMAN HEALTH RISKS WHICH MAY VARY FROM PERSON TO PERSON. AS A PRECAUTION, EXPOSURE TO LIQUIDS, VAPORS , MISTS OR FUMES SHOULD BE MINIMIZED.

Explanation of Carcinogenicity:IN ACCORDANCE WITH THE CURRENT OSHA HAZARDA COMMUNICATION CRITERIA, THIS PRODUCT DOES NOT REQUIRE A CANCER HAZARD WARNING.

Effects of Overexposure:PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE SKIN IRRITATION. SYMPTOMS FROM ACUTE EXPOSURE IN CONFINED SPACES

MAY INCLUDE HEADACHE, NAUSEA, EYE, NOSE AND THROAT IRRITATION. WITH PROLONGED EXPOSURE, SE RIOUS HEALTH CONSEQUENCES SUCH AS LUNG DAMAGE & DEATH MAY OCCUR. IF EXPOSURES ARE ALLOWED TO CONTINUE WITHOUT PROPER RESPIRATORY PROTECTION. MINIMIZE BREATHING VAPOR/FUMES/SMOKE. REPEATED AND PROLONGE D OVEREXPOSURE TO OIL MISTS MAY RESULT IN DROPLET DEPOSITION, OIL GRANULOMA FORMATION, INFLAMMATION AND INCREASED INCIDENCE OF INFECTION.

Medical Cond Aggravated by Exposure:NONE RECOGNIZED

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

First Aid:EYES-FLUSH WITH CLEAR WATER FOR 15 MIN OR UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, CALL A PHYSICIAN. SKIN-RMOVE ANY CONTAMINATED CLOTHING & WASH SKIN WITH SOAP & WATER. IF PRODUCT IS INJECTE D UNDER THE SKIN, 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.

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

Flash Point Method:COC

Flash Point:=246.1C, 475.F

Autoignition Temp:=394.C, 741.2F

Lower Limits:1.0

Upper Limits:12.0

Extinguishing Media:FOAM, WATER SPRAY (FOG), DRY CHEMICAL, CARBON DIOXIDE AND VAPORIZING LIQUID TYPE EXTINGUISHING AGENTS MAY ALL BE

SUITABLE FOR EXTINGUISHING FIRES.

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 AND TO PROVIDE PROTECTION FOR PERSONS ATTEMPTING TO STOP A LEAK. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURES.

Unusual Fire/Explosion Hazard:MINIMIZE BREATHING OF GASES, VAPOR, FUMES OR DECOMPOSITION PRODUCTS. USE SUPPLIED-AIR BREATHING EQUIPMENT FOR ENCLOSED

OR CONFINED SPACES OR AS OTHERWISE NEEDED.TO PREVENT FIRE OR EXPLOSION RISK FROM STATIC ACCUMULATION AND DISCHARGE,GROUND PRODUCT TRANSFER SYSTEM.

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

Spill Release Procedures:RECOVER FREE PRODUCT. ADD SAND, EARTH/OTHER SUITABLE ABSORBENT TO SPILL AREA. MINIMIZE BREATHING VAPOR, SKN CONTACT. OPEN ALL WINDOWS & DOORS. KEEP PRODUCT OUT OF SEWER & WATERCOURSE BY DIKING/IMPOUND. ADVISE AUTHORITIES IF PRODUCT HAS

ENTERED OR MAY ENTER SEWERS, WATERCOURSES OR EXTENSIVE LAND AREAS. ASSURE CONFORMITY WITH APPLICABLE GOVERNMENTAL REGULATIONS.

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

Handling and Storage Precautions:KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT STORE NEAR HEAT, SPARKS, FLAME OR STRONG OXIDANTS.

Other Precautions:DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER

R SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY.

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

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. PROVIDE VENTILATION SUFFICIENT TO PREVENT EXCEEDING RECOMMENDED EXPOSURE LIMIT.

Protective Gloves:CHEMICAL RESISTANT GLOVES. AVOID PROLONGED OR REPEATED SKIN CONTACT.

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Eye Protection:USE SPLASH GOGGLES OR FACE SHIELD WHEN EYE CONTACT MAY OCCUR.

Other Protective Equipment:USE CHEMICAL-RESISTANT APRON OR OTHER IMPERVIOUS CLOTHING, IF NEEDED TO AVOID CONTAMINATING REGULAR CLOTHING, WHICH COULD RESULT IN PROLONGED OR REPEATED SKIN CONTACT.

Work Hygienic Practices:MINIMIZE BREATHING VAPOR, MIST OR FUMES. REMOVE CONTAMINATED CLOTHING; LAUNDRY OR DRY-CLEAN BEFORE RE-USE. REMOVE CONTAMINATED SHOES. CLEANSE SKIN THOROUGHLY AFTER CONTACT, BEFORE

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BREAKS AND MEALS.

Supplemental Safety and Health

PRODUCT IS READILY REMOVED FROM SKIN BY WATER LESS HAND CLEANERS FOLLOWED BY WASHING THOROUGHLY WITH SOAP AND WATER.

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

HCC:N1

Boiling Pt:B.P. Text:400C-540C APPROX

Melt/Freeze Pt:=-54.C, -65.2F

Vapor Pres:5(AIR =1)

Spec Gravity:0.995(15.6C)

pH:NEUTRAL

Viscosity:5.2 CST @ 210F

Evaporation Rate & Reference:3.16 G/KG OF BODY WEIGHT.

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===== Ecological Information =====

ion =====

Ecological:THIS PRODUCT MAY BE CLASSIFIED AS AN OIL UNDER SECTION 311 OF THE CLEAN WATER 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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===== Disposal Considerations =====

Waste Disposal Methods:ASSURE CONFORMITY WITH APPLICABLE GOVERNMENTAL REGULATIONS.

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===== MSDS T

ransport Information =====

Transport Information:NOT REGULATED. OSHA REQUIRED LABEL INFORMATION:  
IN COMPLIANCE WITH HAZARD AND RIGHT-TO-KNOW REQUIREMENTS, WHERE  
APPLICABLE OSHA HAZARD WARNINGS MAY BE FOUND ON THE LABEL, BILL OF  
LADING OR INVOICE ACCOMPANYING THIS SHIPMENT. NOTE: PRODUCT LABEL  
MAY CONTAIN NON-OSHA RELATED INFORMATION ALSO.

===== Regulatory Information =====

SARA Title III Information:SARA SECTIONS 301-304: :N O T  
TOXIC CHEMICAL  
PRESENT GREATER THAN 1% OR 0.1% (CARCINOGEN). SARA SECTION 3131:N  
O TOXIC CHEMICAL PRESENT GREATER THAN 1% OR 0.1% (CARCINOGEN). SARA  
SECTION 311-312: NOT APPLICABLE.

===== Other Information =====

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