

CONOCO INC -- FLEET HEAVY DUTY MOTOR OIL,10W-30 -- 9150-00-186-6699

===== Product Identification =====

Product ID:FLEET HEAVY DUTY MOTOR OIL,10W-30

MSDS Date:12/04/1992

FSC:9150

NIIN:00-186-6699

MSDS Number: BPXCX

=== Responsible Party ===

Company Name:CONOCO INC

Address:600 N DAIRY ASHFORD RD RM 3012

Box:2197

City:HOUSTON

State:TX

ZIP:77252

Country:US

Info Phone Num:713-293-5550

Emergency Phone

Num:800-441-3637/800-424-9300(CHEMTREC)

CAGE:15445

=== Contractor Identification ===

Company Name:CONOCO INC

Address:600 N DAIRY ASHFORD RD RM 3012

Box:4784

City:HOUSTON

State:TX

ZIP:77210-4784

Country:US

Phone:800-441-3637/800-424-9300(CHEMTREC)

CAGE:15445

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

Ingred Name:PETROLEUM HYDROCARBONS

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:ZINC ALKYL DITHIOPHOSPHATE

CAS:686

49-42-3

Fraction by Wt: 2.7%

Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:LD 50 ORAL RAT IS UNKNOWN.

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

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

Health Hazards Acute and Chronic:EYES: MINOR IRRITATION. SKIN: MINOR IRRITATION. INHALATION: MINOR LUNG IRRITATION. INGESTION: NOT NORMALLY A PROBLEM. "USED" MOTOR OIL APPLIED REPEATEDLY TO THE SKIN HAS

CAUSED SKIN CANCER IN LABORATORY ANIMALS.

Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.

Effects of Overexposure:MINOR EYE, SKIN, AND LUNG IRRITATION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED

CLOTHING. WASH AREA WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION . INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR. IF BREATHING DIFFICULT GIVE OXYGEN. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GIVE 2 GLASSES OF WATER.GET MEDICAL ATTENTION.

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

Flash Point Method:PMCC

Flash Point:340F,171C

Autoignition Temp:Autoignition Temp Text:650F

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

Fire Fighting Procedures:WATER OR FOAM MAY CAUSE FROTHING. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURES.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. DO NOT ENTER CONFINED SPACES WITHOUT PROPER PROTECTIVE EQUIPMENT.

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

Spill Release Procedure

s:REMOVE SOURCE OF HEAT, SPARKS, FLAME, IMPACT, FRICTION, ELECTRICITY. DIKE SPILL. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS, LOW AREAS. RECOVER FREE LIQUID FOR REUSE OR RECLAMATION. SOAK UP RESIDUE WITH SAWDUST, SAND, OIL DRY OR OTHER ABSORBENT.

Neutralizing Agent:NONE.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA, AWAY FROM HEAT AND SOURCES OF IGNITION. KEEP CONTAINERS

CLOSED. PROTECT FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT STORE WITH STRONG OXIDIZING MATERIALS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, GRIND, OR DRILL ON OR NEAR FULL OR EMPTY CONTAINER. "EMPTY" CONTAINER RETAINS RESIDUE LIQUID AND VAPOR AND MAY EXPLODE IN HEAT OF A FIRE.

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

Respiratory Protection:NONE NORMALLY REQUIRED EXCEPT IN EMERGENCIES OR WHEN CONDITIONS CAUSE EXCESSIVE AIRBORNE LEVELS OF MISTS OR VAPORS.

SELECT APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATORY PROTECTION WHERE NECESSARY TO MAINTAIN EXPOSURES BELOW ACCEPTABLE LIMITS.

Ventilation:NORMAL SHOP VENTILATION IS ADEQUATE.

Protective Gloves:NBR OR NEOPRENE FOR PROLONGED CONTACT.

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS.

Other Protective Equipment:COVERALLS WITH LONG SLEEVES IF SPLASHING IS PROBABLE.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED, AND PROMPTLY SHIPPED TO THE SUPPLIER OR A DRUM RECONDITIONER. ALL OTHER CONTAINERS SHOULD BE DISPOSED OR IN AN ENVIRONMENTALLY SAFE MANNER.

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

HCC:V6

Boiling Pt:B.P. Text:>520F,>271C

Vapor Pres:NIL

Vapor Density:>1(AIR =1)

Spec Gravity:0.87-0.90

Evaporation Rate & Reference:NIL

Solubility in Water:INSOLUBLE

Appearance and Odor:DARK AMBER TO DARK BROWN LIQUID. MILD PETROLEUM HYDROCARBON ODOR.

Percent Volatiles by Volume:NIL

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING MATERIALS.

Stability Condition to Avoid:AVOID HEAT, SPARKS, AND FLAME.

Hazardous Decomposition Products:COMBUSTION FORMS OXIDES OF CARBON AND MAY PRODUCE SMALL QUANTITIES OF OXIDES OF NITROGEN, PHOSPHORUS, SULFUR, AND ZINC.

Conditions to A

void Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.

DISPOSE OF WASTE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. DO NOT FLUSH TO SURFACE WATER OR SANITARY SEWER SYSTEM.

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