

MARATHON OIL CO -- DEXRONII AND MERCON AUTOMATIC TRANSMISSION FLUID --  
9150-01-353-4799

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

Product ID:DEXRONII AND MERCON AUTOMATIC TRANSMISSION FLUID

MSDS Date:12/27/1991

FSC:9150

NIIN:01-353-4799

MSDS Number: BWMLC

=== Responsible Party ===

Company Name:MARATHON OIL CO

Address:539 SOUTH MAIN STREET

City:FINDLEY

State:OH

ZIP:45840-3229

Country:US

Info Phone Num:41

9-422-2121

Emergency Phone Num:419-422-2121, CHEMTREC 800-424-9300

CAGE:16106

=== Contractor Identification ===

Company Name:MARATHON OIL CO

Address:539 SOUTH MAIN STREET

Box:City:FINDLEY

State:OH

ZIP:45840-3229

Country:US

Phone:419-422-2121, CHEMTREC 800-424-9300

CAGE:16106

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

Ingred Name:MINERAL OIL PRODUCTS (SEVERELY SOLVENT REFINED PARAFFINIC  
BASE STOCK)

Fraction by Wt: 94% %

Other REC Limits:5 MG/M3 OIL MIST

Ingred Nam

e:ADDITIVES AND OTHER INGREDIENTS (ACRYLIC COPOLYMER,  
BORONATED SUBSTITUTED SUCCINIMIDE, POLYBUTENE AND SULFURIZED FAT  
OIL

Fraction by Wt: 6% %

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS > 5 G/KG

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

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

Health Hazards Acute and Chronic:LOW RISK OF INHALATION AT AMBIENT  
TEMPERATURES. MIST

S OR FUMES MAY CAUSE DROWSINESS, DIZZINESS,  
HEADACHE, NAUSEA OR LUNG IRRITATION OR CHEMICAL PNEUMONIA. MAY  
CAUSE TRANSIENT, SLIGHT SKIN IRRITATION. MAY BE MILDLY IRRITATING  
TO EYES. ON INGESTION OF LARGE QUANTITIES, SLIGHT GI DISCOMFORT MAY  
OCCUR.

Explanation of Carcinogenicity:MIDDLE DISTILLATES HAVE CAUSED SKIN  
CANCER IN LABORATORY ANIMALS WHEN REPEATEDLY APPLIED AND LEFT IN  
PLACE.

Effects of Overexposure:DROWSINESS, DIZZINESS, HEADACHE, NAUSEA, LUNG  
IRRITATION, C

HEMICAL PNEUMONIA, SKIN IRRITATION, EYE IRRITATION, GI  
DISCOMFORT, DIARRHEA.

Medical Cond Aggravated by Exposure:BECAUSE OF ITS DEFATTING  
PROPERTIES, PROLONGED AND REPEATED SKIN CONTACT MAY AGGRAVATE AN  
EXISTING DERMATITIS.

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

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER.  
GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION: REMOVE TO  
FRESH AIR & RESTORE BREATHING IF NECESSARY. G  
ET MEDICAL ATTENTION.

EYE : IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING  
EYELIDS OPEN. GET MEDICAL ATTENTION. INGESTION: GET IMMEDIATE  
MEDICAL ATTENTION. DO NOT INDUCE VOMITING. NOTHING BY MOUTH IF  
UNCONSCIOUS.

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

Flash Point:333F,167C

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

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

Fire Fighting Procedures:WEAR FIRE FIGHTI

NG PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED  
CONTAINERS WITH WATER SPRAY.  
Unusual Fire/Explosion Hazard:WATER MAY CAUSE FROTHING.

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

Spill Release Procedures:VENTILATE AREA. AVOID BREATHING VAPOR. USE  
SELF-CONTAINED BREATHING APPARATUS. STOP FLOW. WIPE OR MOP UP OR  
ABSORB WITH DIATOMACEOUS EARTH OR OTHER INERT MATERIAL. STORE IN  
APPROPRIATE CONTAINER FOR DISPO  
SAL. AVOID CONTACT WITH SKIN, EYES  
OR CLOTHING

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

Handling and Storage Precautions:MINIMUM FEASIBLE HANDLING TEMPERATURES  
SHOULD BE MAINTAINED. PERIODS OF EXPOSURE TO HIGH TEMPERATURES  
SHOULD BE MINIMIZED. AVOID WATER CONTAMINATION.  
Other Precautions:MISUSE OF EMPTY CONTAINERS CAN BE HAZARDOUS. EMPTY  
CONTAINERS CAN BE HAZARDOUS. CUTTING OR WELDING OF EMPTY CONTAINERS  
MIGHT CAUSE FIRE, EXPLOSION OR TOXIC FUMES  
FROM RESIDUES.

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

Respiratory Protection:AIRBORNE CONCENTRATIONS SHOULD BE KEPT TO LOWEST  
LEVELS POSSIBLE. IF VAPOR, MIST OR DUST IS GENERATED, USE  
RESPIRATOR APPROVED BY NIOSH AS APPROPRIATE. SUPPLIED AIR  
RESPIRATORY PROTECTION SHOULD BE USED FOR CLEANING LARGE SPILLS OR  
TANKS.  
Ventilation:PROVIDE ADEQUATE VENTILATION TO MEET COMPONENT OCCUPATIONAL  
EXPOSURE LIMITS.  
Protective Gloves:NEOPRENE, NITRILE OR PVA  
Eye Protection:USE CHEMICAL SAFETY GOGGLES  
Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER. CHEMICALLY  
RESISTANT BOOTS AND APRONS RECOMMENDED.  
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE  
EATING, DRINKING OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE  
REUSE.  
Supplemental Safety and Health  
DISCARD CONTAMINATED LEATHER GLOVES AND SHOES.

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

HCC:V6  
Boiling Pt:B.P. Text:580F,304C  
Melt/Fr

eeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:25.9

Vapor Density:NOT GIVEN

Spec Gravity:0.88

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:SLIGHT

Appearance and Odor:RED LIQUID, SLIGHT HYDROCARBON ODOR

Percent Volatiles by Volume:NIL

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES  
OF IGNITION

Hazardous Decomposition Produ

cts:CARBON MONOXIDE, CARBON DIOXIDE,  
ALDEHYDES AND HYDROCARBONS

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

Waste Disposal Methods:THIS PRODUCT HAS BEEN EVALUATED FOR RCRA  
CHARACTERISTICS AND DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE  
IF DISCHARGED IN ITS PURCHASED FORM. USED MATERIAL MAY BE  
HAZARDOUS. DISPOSE OF WASTE IN AC CORDANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIONS

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