

MATERIAL SAFETY DATA SHEET

ATF DEXRON III®/MERCON®

I. GENERAL

PRIMARY APPLICATION AUTOMATIC TRANSMISSION FLUID

MANUFACTURER'S NAME INTERNATIONAL PETROLEUM COMPANY

ADDRESS: (NUMBER, STREET, CITY, & ZIP CODE) P.O. BOX 262
210 SECOND ST.
ST. MARYS, WEST VIRGINIA 26170

EMERGENCY TELEPHONE NUMBER (304) 684-3733 (8am-5pm M-F)
(304) 684-3140

INFORMATION TELEPHONE NUMBER (304) 684-3733 (8am-5pm M-F)

DATE PREPARED APRIL 30, 1996

II. HAZARDOUS INGREDIENTS/IDENTIFY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S) SYNONYMS:

| | AUTOMATIC TRANSMISSION FLUID | % |
|--|------------------------------|------|
| CAS NAME: | NO CLASSIFICATION- MIXTURE | |
| CHEMICAL FAMILY: | BLEND | |
| COMPONENTS: | | |
| Solvent dewaxed light paraffinic petroleum distillate | CAS Number# 64742-56-9 | < 45 |
| Severely solvent refined, solvent-dewaxed heavy paraffinic petroleum distillate | CAS Number# 64742-65-0 | < 45 |
| Lube oil additive (borated polybutenyl succinic anhydride nitrogen functionalized dispersant, substituted alkyl phosphite, alkyl amine, methacrylate copolymer, solvent extracted mineral oil. | CAS Number# Proprietary | < 15 |
| Disazo dye (xylene/dimethyl benzenes CAS # 1330-20-7), (solvent red 164 TSCA Acception # 35371), (ethyl benzene CAS# 100-41-4) | CAS Number# Proprietary | < 1 |

III. PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT > 675 F **SPECIFIC GRAVITY(H₂O=1)** 0.87

VAPOR PRESSURE (mm Hg.) < 0.1 **VAPOR DENSITY(AIR =1)** > 10

SOLUBILITY IN WATER NEGLIGIBLE

APPEARANCE AND ODOR RED-COLORED LIQUID; LUBE OIL ODOR

IV.

FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED):

380 F

(ASTM D-92)

FIRE AND EXPLOSION HAZARDS: SLIGHTLY COMBUSTIBLE! OSHA/NFPA CLASS-III-B COMBUSTIBLE LIQUID. WHEN HEATED ABOVE ITS FLASH POINT, THIS MATERIAL WILL RELEASE FLAMMABLE VAPORS WHICH CAN BURN IN THE OPEN OR BE EXPLOSIVE IN CONFINED SPACES IF EXPOSED TO AN IGNITION SOURCE. MISTS OR SPRAYS MAY BE FLAMMABLE AT TEMPERATURES BELOW THE NORMAL FLASH POINT. KEEP AWAY FROM EXTREME HEAT AND OPEN FLAME.

EXTINGUISHING MEDIA: DRY CHEMICAL AND CARBON DIOXIDE. FOAM AND WATER FOG ARE EFFECTIVE BUT CAUSE FROTHING.

SPECIAL FIREFIGHTING PROCEDURES: FOR FIRES INVOLVING THIS MATERIAL, DO NOT ENTER ANY ENCLOSED OR CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT. THIS MAY INCLUDE SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST THE HAZARDOUS EFFECTS OF COMBUSTION PRODUCTS AND OXYGEN DEFICIENCIES. IF FIREFIGHTERS CANNOT WORK UPWIND TO THE FIRE, RESPIRATORY PROTECTIVE EQUIPMENT MUST BE WORN. COOL TANKS AND CONTAINER EXPOSED TO FIRE WITH WATER. BURNING LIQUID WILL FLOAT ON WATER. NOTIFY APPROPRIATE AUTHORITIES IF LIQUID ENTERS SEWER/WATERWAYS.

HAZARD RATING

0= LEAST
1= SLIGHT
2= MODERATE
3= HIGH
4= EXTREME

NFPA/HMIS CLASSIFICATION

HEALTH - 0/0
FIRE - 1/1
REACTIVITY - 0/0
PERSONAL PROTECTION INDEX - X

V.

HEALTH HAZARDS

SUMMARY OF ACUTE HAZARDS:

NOT EXPECTED TO PRESENT A SIGNIFICANT HEALTH HAZARD UPON SHORT-TERM EXPOSURE.

ROUTE OF EXPOSURE**SIGNS AND SYMPTOMS****INHALATION**

NO SIGNIFICANT ADVERSE HEALTH EFFECTS ARE EXPECTED TO OCCUR UPON SHORT-TERM EXPOSURE.

EYE CONTACT

NO IRRITATION IS EXPECTED FROM SHORT-TERM EXPOSURE.

SKIN ABSORPTION

NO SIGNIFICANT ADVERSE HEALTH EFFECTS ARE EXPECTED TO OCCUR UPON SHORT-TERM EXPOSURE.

SKIN IRRITATION

NO IRRITATION IS EXPECTED FROM SHORT-TERM EXPOSURE.

INGESTION

NO SIGNIFICANT ADVERSE HEALTH EFFECTS ARE EXPECTED TO OCCUR UPON SHORT-TERM EXPOSURE.

CHRONIC HAZARDS

PROLONGED AND /OR REPEATED CONTACT WITH THIS MATERIAL PRODUCE SKIN IRRITATION AND INFLAMMATION.

SPECIAL HEALTH EFFECTS

PERSONNEL WITH PRE-EXISTING SKIN DISORDERS SHOULD AVOID CONTACT.

CARCINOGEN LISTED BY

IARC (NO) NTP (NO) OSHA (NO) ACGIH (NO) OTHER (NO)

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IX.

INTERNATIONAL PETROLEUM TU 24771 7.84

ADDITIONAL PRECAUTIONS

**HANDLING
STORAGE
AND
DECONTA-
MINATION
PROCEDURES**

TO AVOID PRODUCT DEGRADATION, WATER CONTAMINATION SHOULD BE AVOIDED AND MINIMUM FEASIBLE HANDLING TEMPERATURES SHOULD BE MAINTAINED. PERIODS OF EXPOSURE TO HIGH TEMPERATURES (> 200 F) SHOULD BE MINIMIZED. PRODUCT DEGRADATION MIGHT INCREASE HEALTH HAZARD RISKS.

**GENERAL
COMMENTS**

**TRANSPORTATION
CLASSIFICATIONS**

U.S. DEPARTMENT OF TRANSPORTATION (DOT)
HAZARD CLASS-- NON REGULATED
SHIPPING NAME--PETROLEUM LUBRICANT
IDENTIFICATION NUMBER--NOT APPLICABLE

ALL COMPONENTS OF THIS PRODUCT ARE LISTED IN THE TSCA INVENTORY.

SOME OF THE INFORMATION PRESENTED AND CONCLUSIONS DRAWN HEREIN ARE FROM SOURCES OTHER THAN DIRECT TEST DATA ON THE MIXTURE ITSELF.

Disclaimer of Liability

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VI. PROTECTIVE EQUIPMENT AND OTHER CONTROL MEASURES

RESPIRATORY NONE IS NEEDED UNDER ANTICIPATED USE CONDITIONS WITH ADEQUATE VENTILATION. IF EXPOSURE EXCEEDS THE OCCUPATIONAL EXPOSURE LIMITS, FOLLOW OSHA STANDARDS OR EQUIVALENT AND WEAR PROPER NIOSH/MSEA-APPROVED RESPIRATORY EQUIPMENT.

EYE SAFETY GLASSES SHOULD BE ADEQUATE PROTECTION UNDER MOST CONDITIONS OF USE. WEAR GOGGLES AND/OR FACE SHIELD IF SPLASHING OR SPRAYING IS LIKELY, ESPECIALLY IF HEATED ABOVE 125 F. HAVE SUITABLE EYE WASH WATER AVAILABLE.

SKIN AVOID PROLONGED AND/OR REPEATED SKIN CONTACT, OR WEAR IMPERVIOUS PROTECTIVE CLOTHING. WHEN LEAVING WORK. WASH HANDS/EXPOSED SKIN WITH SOAP AND WATER.

ENGINEERING CONTROLS USE ADEQUATE VENTILATION TO KEEP OIL MISTS OF THIS MATERIAL BELOW APPLICABLE STANDARD(S).

OTHER HYGIENIC AND WORK PRACTICES WASH HANDS WITH PLENTY OF SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USE OF TOILET FACILITIES. DO NOT USE GASOLINE, SOLVENTS, KEROSENE, OR HARSH ABRASIVE SKIN CLEANERS FOR WASHING EXPOSED SKIN AREAS. TAKE A SHOWER AFTER WORK IF GENERAL CONTACT OCCURS. REMOVE OIL-SOAKED CLOTHING AND LAUNDRER BEFORE REUSE. LAUNDRER OR DISCARD CONTAMINATED LEATHER GLOVES AND SHOES.

VII. EMERGENCY AND FIRST AID

INHALATION VAPORIZATION IS NOT EXPECTED AT AMBIENT TEMPERATURES AND THIS MATERIAL IS NOT EXPECTED TO BE AN INHALATION PROBLEM UNDER ANTICIPATED CONDITIONS OF USE. IN CASE OF OVEREXPOSURE, MOVE PERSON TO FRESH AIR.

EYE CONTACT FLUSH EYES WITH CLEAN, LOW-PRESSURE WATER FOR AT LEAST 15 MINUTES. OCCASIONALLY LIFTING THE EYELIDS. IF PAIN OR REDNESS PERSISTS AFTER FLUSHING, OBTAIN MEDICAL ATTENTION.

SKIN CONTACT REMOVE BY WIPING; THEN WASH SKIN THOROUGHLY WITH PLENTY OF SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND THOROUGHLY CLEAN BEFORE REUSE. DISCARD CONTAMINATED LEATHER GLOVES AND SHOES.

VII. SPILL AND DISPOSAL

PRECAUTIONS IF MATERIAL IS SPILLED OR RELEASED POSSIBLE; CONTAIN SPILL AND PREVENT IT FROM ENTERING ALL WATER BODIES, IF POSSIBLE. SAFELY STOP FLOW OF SPILL. EVACUATE NON-ESSENTIAL PERSONNEL FROM IMMEDIATE SPILL AREA DUE TO SLIPPING HAZARDS, IN URBAN AREA, CLEANUP AS SOON AS POSSIBLE; IN NATURAL ENVIRONMENTS, CLEANUP ON ADVICE FROM ECOLOGISTS. THIS MATERIAL WILL FLOAT ON WATER. ABSORBENT MATERIALS AND PADS CAN BE USED. COMPLY WITH ALL APPLICABLE LAWS. SPILLS MAY NEED TO BE REPORTED TO THE NATIONAL RESPONSE CENTER(800-424-8802). THE SPILLED MATERIAL AND ANY SOIL OR WATER WHICH IT HAS CONTACTED MAY BE HAZARDOUS TO ANIMAL/AQUATIC LIFE.

WASTE DISPOSAL METHODS MAXIMIZE PRODUCT RECOVERY FOR REUSE OR RECYCLING. CONDITIONS OF USE MAY CAUSE THIS MATERIAL TO BECOME A "HAZARDOUS WASTE". AS DEFINED BY STATE OR FEDERAL LAWS. USE APPROVED TREATMENT, TRANSPORTERS, AND DISPOSAL SITES IN COMPLIANCE WITH ALL APPLICABLE LAWS. IF SPILL IS INTRODUCED INTO A WASTE-WATER TREATMENT SYSTEM, CHEMICAL AND BIODEGRADABLE IF GRADUALLY EXPOSED TO MICROORGANISMS. POTENTIAL TREATMENT AND DISPOSAL METHODS INCLUDE LAND FARMING, INCINERATION, AND LAND DISPOSAL, IF PERMITTED.