

MATERIAL SAFETY DATA SHEETS

MSDS

PREMIUM UNIVERSAL TRACTOR FLUID

I. GENERAL

MANUFACTURER'S NAME INTERNATIONAL PETROLEUM CO.
ADDRESS: (NUMBER, STREET, CITY, & ZIP CODE) 210 2ND STREET
P.O. BOX 262
ST. MARYS, WV 26170
EMERGENCY TELEPHONE NUMBER (304) 684-3733
INFORMATION TELEPHONE NUMBER (304) 684-3733
DATE PREPARED/REVISED JANUARY 30, 2002

II. HAZARDOUS INGREDIENTS/IDENTIFY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAMES(S))

Severely Solvent Refined Light Paraffinic Petroleum Oil CAS Number# 64741-89-5
Severely Solvent Refined Heavy Paraffinic Petroleum Oil CAS Number# 61789-88-4
Copolymer of "butyl" Ester CAS Number# 68516-84-7
Calcium Sulfonate CAS Number# 61789-86-4
Synonyms: Universal tractor fluid
Chemical Name: Mixture
Chemical Family: Blend

III. PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT >675 F **SPECIFIC GRAVITY(H₂O=1)** 0.88
VAPOR PRESSURE (mm Hg.) <0.1 **VAPOR DENSITY(AIR =1)** >10
SOLUBILITY IN WATER NEGLIGIBLE
APPEARANCE AND ODOR AMBER-COLORED LIQUID; LUBE OIL ODOR

IV.

FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED):

> 410 F

(ASTM D-92)

FIRE AND EXPLOSION HAZARDS: SLIGHTLY COMBUSTIBLE! OSHA/NFPA CLASS-III 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

NEPA/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.

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/MSHA-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 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.

IX. ADDITIONAL PRECAUTIONS

HANDLING, STORAGE AND DECONTAMINATION 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.

REGULATORY INFORMATION

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

TOXIC SUBSTANCES CONTROL ACT ALL COMPONENTS OF THIS PRODUCT ARE LISTED IN THE TSCA INVENTORY.

EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW SARA TITLE III SECTION 311.312 CATEGORIZATIONS (40 CFR 370)-THIS PRODUCT IS NOT A HAZARDOUS CHEMICAL UNDER 29 CFR 1910.1200, AND THEREFORE IS NOT COVERED BY SARA TITLE III OF SARA
SARA TITLE III SECTION 313 INFORMATION (40 CFR 372)-THIS PRODUCT DOES NOT CONTAIN A CHEMICAL WHICH IS LISTED IN SECTION 313 ABOVE de minimis CONCENTRATIONS.

COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (40 CFR 302.4) RELEASES OF THIS MATERIAL TO AIR, LAND OR WATER ARE NOT REPORTABLE TO THE NATIONAL RESPONSE CENTER UNDER CERCLA/SUPERFUND OR TO STATE AND LOCAL EMERGENCY PLANNING COMMITTEES UNDER THE SUPERFUND AMENDMENTS REAUTHORIZATION ACT (SARA) TITLE III, SECTION 304.

RESOURCE CONSERVATION AND RECOVERY ACT WHEN THIS PRODUCT BECOMES A WASTE, IT IS CLASSIFIED AS NONHAZARDOUS WASTE UNDER THE CRITERIA OF RCRA (40 CFR 261)

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

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