

MATERIAL SAFETY DATA SHEET

SECTION 01: CHEMICAL PRODUCT & COMPANY ID

AUTO-TRAK II
 > TRANSFER CASE FLUID
 > 10-4017
 > 12378508
 > 88900402

SAFE USE CATEGORY AND DESCRIPTION: 04 -METAL WORKING FLUIDS AND LUBRICANTS

LAST UPDATED DATE: 1999-05-07

MANUFACTURER'S ID (MID): 000553637
 MANUFACTURER'S NAME: PETRO-CANADA
 MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: CA 403-296-3000
 MANUFACTURER'S MAILING ADDRESS:
 P.O. BOX 2844
 CALGARY AB T2P3E3
 CA

PRODUCT USE: AUTOMATIC TRANSMISSION FLUID DESIGNED PRIMARILY FOR SATURN VEHICLES BUT SUITABLE ALSO FOR OTHER VEHICLE MAKES AND AS A HYDRAULIC AND POWER STEERING FLUID FOR MOBILE EQUIPMENT.

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/V	CHEMICAL NAME
000100414	T 0.0000/ 0.0000%	W	BENZENE, ETHYL-
001330207	T 0.0000/ 0.0000%	W	XYLENE
007446095	T 0.0000/ 0.0000%	W	SULFUR DIOXIDE
064741884	= 1.8600/ 0.0000%	W	MINERAL OIL, PETROLEUM DISTILLATES *, SOLVENT-REFINED (severe) HEAVY PARAFFINIC
064741975	< 0.0000/ 1.0000%	W	MINERAL OIL, PETROLEUM DISTILLATES *, SOLVENT-REFINED (severe) LIGHT NAPHTHENIC
064742650	= 1.8600/ 0.0000%	W	MINERAL OIL, PETROLEUM DISTILLATES *, SOLVENT-DEWAXED HEAVY PARAFFINIC * (severe solvent-refining and/or hydrotreatment)
068171506	= 4.3800/ 0.0000%	W	2-Propenoic acid, 2-methyl-, dodecyl * ester, polymer with methyl 2-methyl-2-propenoate and tetradecyl 2-methyl-2-propenoate
072623848	= 12.6200/ 0.0000%	W	Lubricating oils, petroleum, C15-30, hydrotreated neutral oil-based, * contg. solvent deasphalted residual oil
072623860	= 74.3600/ 0.0000%	W	Lubricating oils, petroleum, C15-30, hydrotreated neutral oil-based
074499368	T 0.0000/ 0.0000%	W	9,10-Anthracenedione, 1,4-diamino-, N,N'-mixed 2-ethylhexyl and Me and * pentyl derivs.
989915788	= 5.0200/ 0.0000%	W	MINERAL OIL
989922365	< 0.0000/ 1.0000%	W	ACRYLIC COPOLYMER

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LENSES. IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR SEVERAL MINUTES, KEEPING EYELIDS OPEN. DO NOT USE EYE DROPS OR OINTMENTS. ATTENTION IF IRRITATION PERSISTS.
 EMERGENCY FIRST AID PROCEDURES - INHALATION: REMOVE TO FRESH AIR OR SAFE AREA AS SOON AS POSSIBLE. IF THE VICTIM IS UNCONSCIOUS, ADMINISTER MOUTH-TO-MOUTH RESUSCITATION. ADMINISTER OXYGEN AND SEEK MEDICAL ATTENTION.
 EMERGENCY FIRST AID PROCEDURES - INGESTION: DO NOT INDUCE VOMITING BECAUSE OF DANGER OF ASPIRATING LIQUID INTO LUNGS. SEEK MEDICAL ATTENTION.

NOTES TO PHYSICIAN: PREVENT FURTHER ABSORPTION BY GASTROINTESTINAL TRACT. ADMINISTER CHARCOAL SLURRY, AQUEOUS OR MIXED WITH SALINE. THE FDA SUGGESTED 240 ML OF DILUENT/30 G OF CARBON. THE SUGGESTED DOSE IS 30 TO 100 G IN ADULTS, 15 TO 30 G IN CHILDREN AND 5 TO 10 G IN INFANTS.

SECTION 05: FIRE-FIGHTING MEASURES

FLAMMABLE LEL: NAV 0.00
 FLAMMABLE UEL: NAV 0.00
 EXTINGUISHING MEDIA: SMALL FIRE: USE DRY CHEMICAL OR WATER SPRAY. FOG OR FOAM FOR SMALL FIRE EXTINGUISHERS MAY BE USED, AND SELF CONTAINED BREATHING APPARATUS (SCBA) MAY NOT BE REQUIRED.

SPECIAL FIRE FIGHTING PROCEDURES: NAERG96, GROUP 1 (MODERATE HAZARD). IF TANK, RAIL CAR OR TRUCK INVOLVED IN FIRE, ISOLATE FOR 800 METERS (0.5 MILE) IN ALL DIRECTIONS. DO NOT EXTINGUISH A LEAKING GAS VAPOR SOURCE UNTIL THE LEAK IS STOPPED. SHUT OFF FUEL TO FIRE IF IT IS POSSIBLE. IF THIS IS IMPOSSIBLE, WITHDRAW FROM THE AREA UNDER CONTROLLED CONDITIONS. WITHDRAW IMMEDIATELY IF THERE IS A SOUND FROM VENTING SAFETY DEVICE OR ANY DANGER OF PRESSURE BUILD-UP, AUTOIGNITION OR EXPLOSION. SCBA IS REQUIRED FOR FIRE FIGHTING IN ALL AREAS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: DO NOT HEAT EMPTY CONTAINER. LOW FIRE HAZARD. HEATED BEFORE IGNITION WILL OCCUR. AVOID CONTACT WITH OXIDIZING AGENTS, INCLUDING PEROXIDES, CHLORINE, AND OTHER OXIDIZING AGENTS. COMBUSTION: CARBON OXIDES (CO, CO2), SMOKE AND SOOT.
 HMIS CODES:
 HMIS REACTIVITY CODE =
 HMIS HEALTH CODE =

EXPOSURE TO OIL MIST ALONE HAS NOT BEEN DEMONSTRATED TO CAUSE HUMAN HEALTH EFFECTS AT LEVELS BELOW 5 MG/M3. IT IS ANTICIPATED THAT THIS LEVEL MINIMIZE THE POTENTIAL FOR SKIN AND RESPIRATORY TRACT IRRITATION. IARC GROUP 3: CANNOT BE CLASSIFIED AS TO CARCINOGENICITY TO HUMANS. NTP AND IRIS: NO STUDIES WERE FOUND. AN API STUDY HAS INDICATED THAT PROLONGED OR REPEATED SKIN EXPOSURE TO USED MOTOR OILS CAN CAUSE CANCER IN MICE.

MUTAGENICITY: BASE OILS EXHIBITED NEGATIVE MUTOGENIC ACTIVITY TOWARD: (A) SALMONELLA TYPHIMUTUM TA98 USING THE MODIFIED AMES ASSAY FOR PETROLEUM; (B) SALMONELLA-ESCHERICHIA COLI/MAMMALIAN-MICROSOME REVERSE MUTATION ASSY (AMES TEST) WITH A CONFIRMATORY ASSAY.

REPRODUCTIVE EFFECTS: BASED ON THE AVAILABLE ANIMAL DATA, SEVERELY HYDROTREATED BASE OILS DO NOT POSE A REPRODUCTIVE RISK NO DO THEY POSE A DEVELOPMENTAL OR TERATOGENICITY RISK.

ALLERGEN OR SENSITIVITY: BASED ON TOXICITY OF SIMILAR PRODUCT, BASE OILS ARE NOT SENSITIZERS IN GUINEA PIG. NO STUDIES WERE FOUND CONCERNING RESPIRATORY TRACT SENSITIZATION.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: ENVIRONMENTAL FATE: THE PRODUCT HAS THE POTENTIAL FOR DEGRADATION BY BACTERIA OVER AN EXTENDED PERIOD OF TIME. PERSISTANCE/BIOACCUMULATION POTENTIAL: NO STUDIES WERE FOUND. BOD5 AND COD: NOT AVAILABLE. PRODUCTS OF BIODEGRADATION: POSSIBLY HAZARDOUS SHORT TERM DEGRADATION PRODUCTS ARE NOT LIKELY. HOWEVER, LONG TERM DEGRADATION PRODUCTS MAY ARISE. ADDITIONAL REMARKS: BASE OILS EXHIBIT NO TO LOW ACUTE TOXICITY TOWARD AQUATIC ORGANISMS; LC50 (RAINBOW TROUT): >400,000 PPM IN 96 HOURS; 0% MORTALITY AT 400,000 PPM IN 96 HOURS; LC50 (MYSIDOPSIS BAHAD): >500,00 PPM IN 96 HOURS; PASSED THE EPS L/RM/24 MICROTOX TEST USING LUMINESCENT BACTERIA; 57-88% OF BASE OILS ARE BIODEGRADABLE IN 28 DAYS.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: SPENT/USED/WASTE OIL MAY MEET THE REQUIREMENTS OF A HAZARDOUS WASTE. CONSULT YOUR LOCAL OR REGIONAL AUTHORITIES. PREFERRED WASTE MANAGEMENT PRIORITIES ARE: (1) RECYCLE OR REPROCESS; (2) INCINERATION WITH ENERGY RECOVERY; (3) DISPOSAL AT LICENSED WASTE DISPOSAL FACILITY. ENSURE THAT DISPOSAL OR REPROCESSING IS IN COMPLIANCE WITH GOVERNMENT REQUIREMENTS AND LOCAL DISPOSAL REGULATIONS. CONSULT YOUR LOCAL OR REGIONAL AUTHORITIES.

SECTION 14: TRANSPORT INFORMATION

DOT INFORMATION: NOT APPLICABLE

SECTION 14 - OTHER INFORMATION: NOT EVALUATED FOR EUROPEAN TRANSPORT.

SECTION 15: REGULATORY INFORMATION

SECTION 15 - OTHER INFORMATION: CEPA/EPA/EC: THIS PRODUCT IS ACCEPTABLE FOR USE UNDER THE PROVISIONS OF WHMIS-CPR. ALL COMPONENTS OF THIS FORMULATION ARE LISTED ON CEPA-DSL AND US EPA TSCA. DSD/DPD(EUROPE): NOT EVALUATED. HCS (USA): NOT CONTROLLED. WHMIS: NOT CONTROLLED.

SECTION 16: OTHER INFORMATION

SPECIAL PROTECTION (MECHANICAL): ENSURE THAT EYEWASH STATION AND SAFETY SHOWER ARE CLOSE TO WORK-STATION.

*** END OF DATA SHEET ***