

ATF

Trade Name: AUTRAN DEXRON III/MERCON ATF
Supplier: BP Oil Company

4-HOUR EMERGENCY ASSISTANCE	GENERAL ASSISTANCE	NFPA FIRE HAZARD
P America(In Ohio):800-362-8059 (Outside Ohio):800-321-8642 HEMTREC Assistance:800-424-9300	216-441-8106 (Technical) 216-586-8023 (MSDS)	Flammability: 1 Health : 1 Reactivity : 0 Spl.Hazards:

SDS Number > 2122 Version # : 3
MANUFACTURER/SUPPLIER:
P Oil Company
ADDRESS: 200 Public Square, Cleveland, OH 44114-2375

===== PRODUCT IDENTIFICATION =====ID=

TRADE NAME:
AUTRAN DEXRON III/MERCON ATF
Date: 07/27/94

AS NUMBER: MIXTURE
SYNONYM(S):
AUTOMOTIVE UNIVERSAL TRANSMISSION FLUID; AUTOMATIC
TRANSMISSION FLUID
CHEMICAL FAMILY:
HYDROCARBON
MOLECULAR FORMULA: MIXTURE
MOLECULAR WEIGHT: ND
PRODUCT CODE: P 3618/3635
HIERARCHY:

===== PRODUCT HAZARD SUMMARY =====PH=

HEALTH
POSSIBLE ASPIRATION HAZARD IF SWALLOWED--CAN ENTER LUNGS AND CAUSE DAMAGE
MAY BE IRRITATING TO THE SKIN, EYES AND RESPIRATORY TRACT

REACTIVITY
STABLE

===== PRODUCT HEALTH HAZARD INFORMATION =====HH=

ASPIRATION:
Aspiration into lungs may cause pneumonitis. May cause gastrointestinal
disturbances. Symptoms may include irritation, nausea, vomiting and diarrhea.

SKIN:
LIGHTLY IRRITATING. Repeated or prolonged contact may result in defatting,
oil acne, redness, itching, inflammation, cracking and possible secondary
infection. Contact with heated material may cause thermal burns.

EYES:
LIGHTLY IRRITATING. Contact with heated material may cause thermal burns.

RESPIRATION:
May cause respiratory tract irritation. Exposure to high concentrations of
dense oil mists may lead to oil pneumonia.

SPECIAL TOXIC EFFECTS:

ARC has determined that there is inadequate evidence for the carcinogenicity of highly-refined oils in humans and experimental animals. (IARC Class--3).

===== FIRST AID =====FA=
INGESTION:

DO NOT INDUCE VOMITING BECAUSE OF DANGER OF ASPIRATING LIQUID INTO LUNGS. If spontaneous vomiting occurs, monitor for breathing difficulty. Get immediate medical attention.

SKIN CONTACT:

Remove contaminated clothing and launder before reuse. Wash area of contact thoroughly with soap and water. Get medical attention if irritation persists. Thermal burns require immediate medical attention.

EYE CONTACT:

Rush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists. Thermal burns require immediate medical attention.

RESPIRATION:

Remove affected person from source of exposure. Get medical attention if irritation persists.

===== NOTES TO PHYSICIAN =====PN=
Aspiration of petroleum hydrocarbons may cause severe pneumonitis (oil pneumonia). Vomiting should not be induced. In unconscious victims, use of an endotracheal tube should be considered if gastric lavage is undertaken.

===== PERSONAL PROTECTION INFORMATION =====PI=
EYE PROTECTION:

Avoid eye contact with this material. Wear safety glasses or chemical goggles. Provide an eyewash station in the work area. Do not wear contact lenses when working with this substance.

SKIN PROTECTION:

Avoid skin contact. When working with this substance, wear appropriate chemical protective gloves. Depending upon conditions of use, additional protection may be necessary such as face shield, apron, armcovers, etc.

RESPIRATORY PROTECTION:

If exposure limits are exceeded or if irritation is experienced, NIOSH approved respiratory protection should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations.

===== PHYSICAL PROPERTIES =====PR=
BOILING POINT: > 271.11 C (520 F) @ 760.00 MM HG

SPECIFIC GRAVITY: 0.871 @ 15.6/15.6 C

MELTING POINT: NA

VOLATILE: NEGLIGIBLE

VAPOR PRESSURE: NEGLIGIBLE

VAPORATION RATE (WATER=1): VERY SLOW

AIR DENSITY (AIR=1): HEAVIER

VISCOSITY: 7.9 CST @ 100 C

SOLUBILITY IN WATER: NEGLIGIBLE

ETHANOL/WATER PARTITION COEFFICIENT:

FREEZING POINT: -40 C

REFRACTIVE INDEX: ND

APPEARANCE/ODOR:

CLEAR RED COLORED LIQUID WITH A MILD HYDROCARBON ODOR.

===== FIRE AND EXPLOSION DATA =====FE=

FLASH POINT: 185.000 C (365 F) COC

AUTOIGNITION TEMPERATURE: ND

FLAMMABILITY LIMITS IN AIR (% BY VOL.) LOWER: NA

FLAMMABILITY LIMITS IN AIR (% BY VOL.) UPPER: NA

BASIC FIREFIGHTING PROCEDURES:

Use water spray, dry chemical, foam or carbon dioxide to extinguish fire. Water or foam may cause frothing, with further application leading to boilover. Use water spray to cool fire-exposed containers, structures and to protect personnel. Use water to flush spills away from sources of ignition. Do not flush down public sewers or other drainage systems. Exposed firefighters must wear MSHA/NIOSH approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Combustible at high temperatures. Irritating or toxic substances may be emitted upon thermal decomposition.

===== REACTIVITY DATA =====RD=

STABILITY/INCOMPATIBILITY:

Stable under conditions of normal use. Avoid contact with strong oxidizers.

HAZARDOUS REACTIONS/DECOMPOSITION PRODUCTS:

Combustion may produce CO, CO2 and reactive hydrocarbons.

===== ENVIRONMENTAL INFORMATION =====EI=

SPILL OR RELEASE TO THE ENVIRONMENT:

If your facility or operation has an "Oil or Hazardous Substance Contingency Plan", activate its procedures.

- Take immediate steps to stop and contain the spill. Caution should be exercised regarding personnel safety and exposure to the spilled material.
- For technical advice and assistance related to chemicals, contact CHEMTREC (800/424-9300) and your local fire department.
- Notify the National Response Center, if required. Also notify appropriate state and local regulatory agencies, the LEPC and the SERC. Contact the local Coast Guard if the release is into a waterway.

Emergency Action:

Keep unnecessary people away. Keep ignition sources out of area.

Spill or Leak Procedure:

Stop leak if you can do it without risk. Small Spills: Take up with sand or

===== SPECIAL PRECAUTIONS/SUPPLEMENTAL INFORMATION =====SP=
 HANDLING/STORAGE:

Store in tightly closed containers in cool, dry, isolated, well-ventilated area away from heat, sources of ignition and incompatibles. Do not store in unlabeled containers. Do not eat, drink or smoke in areas of use or storage.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Remove contaminated clothing and clean before reuse. Wash thoroughly after work using soap and water.

EMPTY CONTAINERS:

Empty containers may contain toxic, flammable/combustible or explosive residue or vapors. Do not cut, grind, drill, weld, reuse or dispose containers unless adequate precautions are taken against these hazards.

===== TRANSPORTATION REQUIREMENTS (DOMESTIC LAND) =====TR=

DOT PROPER SHIPPING NAME (49 CFR 172.101): PETROLEUM OIL, N.O.I.B.N.

DOT HAZARD CLASS (49 CFR 172.101): NOT REGULATED

N/NA CODE (49 CFR 172.101): NOT REGULATED

PACKING GROUP (49 CFR 172.101): NOT REGULATED

DOT HAZARD DESCRIPTION (49 CFR 172.202): PETROLEUM OIL, N.O.I.B.N.

DOT LABELS REQUIRED (49 CFR 172.101): NOT REGULATED

DOT PLACARDS REQUIRED (49 CFR 172.504): NOT REGULATED

===== INGREDIENTS/HEALTH HAZARD INFORMATION =====IN=

COMPONENT	CAS NO.	%	EXPOSURE LIMITS - REF.
solvent dewaxed distillate,	64742-65-0	70-85	5 mg/m3 TLV; 10 mg/m3 STEL (ACGIH)
heavy paraffinic			for oil mist, mineral 5 mg/m3 PEL (OSHA) for oil mist, mineral 5 mg/m3 TWA; 10 mg/m3 STEL (NIOSH) for oil mist, mineral

Automatic Transmission Fluid MIXTURE 10-25 PEL/TLV not established for this material.

The OSHA Permissible Exposure Limits listed above were promulgated by OSHA in 1989. This standard was vacated by the U.S. Court of Appeals for the Eleventh Circuit. Exposure limits defined in specific chemical standards found in 29 CFR 1910.1001-1048 are not covered by this ruling and are still enforceable.

COMPLETED BY:

BP OIL HSEQ DEPARTMENT

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.