

PETRO-CANADA INC -- 460-601, DEXRON III/ MERCON AUTOMATIC TRANSMISSION FLUID --
9150-01-353-4799

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

Product ID:460-601, DEXRON III/ MERCON AUTOMATIC TRANSMISSION FLUID

MSDS Date:04/23/1999

FSC:9150

NIIN:01-353-4799

Status Code:A

MSDS Number: CLRCW

=== Responsible Party ===

Company Name:PETRO-CANADA INC

Address:150 6TH AVENUE

Box:2844

City:CALGARY

State:AB

Country:C

A

Info Phone Num:403-296-3000

Emergency Phone Num:403-296-3000

Preparer's Name:PRODUCT SAFETY-TAR

CAGE:38766

=== Contractor Identification ===

Company Name:PETRO-CANADA INC

Address:150 6TH AVENUE

Box:2844

City:CALGARY

State:AB

Country:CA

Phone:403-296-3000

CAGE:38766

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

Ingred Name:MIXTURE OF HYDROTREATED PARAFFINIC OILS AND ADDITIVES

CAS:72823-86-0

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:MIXTURE OF HYDROTREATED PARAFFINIC OILS AND ADDITIVES
CAS:72623-84-8
Other REC Limits:NOT PROVIDED
OSHA PEL:NOT PROVIDED
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:MIXTURE OF HYDROTREATED PARAFFINIC OILS AND ADDITIVES
CAS:72623-87-1
Other REC Limits:NOT PROVIDED
OSHA PEL:NOT PROVIDED
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:RED DYE
< Wt:2.
Other REC Limits:NOT PROVIDED
OSHA PEL:NOT PROVIDED
ACGIH TLV:NOT PROVIDED

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===== Hazards Identification =====
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LD50 LC50 Mixture:LD50 (ORAL, RAT) > 5,000 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SKIN: BASE OILS ARE NOT SKIN
IRRITANTS. HOWEVER, PROLONGED/ REPEATED CONTACT MAY CAUSE
IRRITATION, DERMATITIS OR OIL ACNE FOR SENSITIVE INDIVIDUALS.
INHALATION: DUE TO LOW VOLATILTY, INHALATION IS NOT LIKELY.
HOWEVER, PROLONGED OR REPEATED INHALATION OF EXCESSIVE AMOUNT OF
MISTS OR
FUMES MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT. OIL
DEPOSITS IN THE LUNG MAY LEAD TO FIBROSIS AND REDUCED PULMON ARY
FUNCTION. INGESTION: INGESTION IS UNLIKELY, HOWEVER IT MAY BE
HARMFUL IF SWALLOWED. EYES: BASE OILS ARE NOT EYES IRRITANTS.
HOWEVER, REPEATED OR PROLONGED CONTACT WITH SPRAY MIST MAY PRODUCE
EYE I RRRITATION, BUT NO PERMANENT DAMAGE.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:SKIN: PROLONGED/ REPEATED CONTACT MAY CAUSE
IRRITATION, DERM

ATITIS OR OIL ACNE FOR SENSITIVE INDIVIDUALS.

INHALATION: PROLONGED OR REPEATED INHALATION OF EXCESSIVE AMOUNT OF MISTS OR FUMES MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT.

EYES: REPEATED OR PROLONGED CONTACT WITH SPRAY MIST MAY PRODUCE EYE IRRITATION.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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

First Aid:EYE: REMOVE ANY CONTACT LENSES. IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES, KE

EPING EYELIDS OPEN. DO NOT USE AN

EYE OINTMENT. SEEK MEDICAL ATTENTION IF IRRITATION PERSIST. SKIN:

WASH GENTLY WITH WATER AND NON-ABRASIVE SOAP. GET MEDICAL

ATTENTION IF REDNESS OR IRRITATION OCCURS. INHALATION: EVACUATE

VICTIM TO A SAFE AREA AS SOON AS POSSIBLE. IF NOT BREATHING,

PERFORM MOUTH-TO-MOUTH RESUSCITATION. ADMINISTER OXYGEN IF

AVAILABLE. ALLOW VICTIM TO REST IN A WET VENTILATED AREA. SEEK

MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING BECAUSE OF

DANGER OF ASPIRATING LIQUID INTO LUNGS. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:COC

Flash Point:>177.C, 350.6F

Autoignition Temp:>195.C, 383.F

Lower Limits:N/AV

Upper Limits:N/AV

Extinguishing Media:SMALL FIRE: USE DRY CHEMICALS, FOAM, OR CO2. LARGE FIRE: USE WATER SPRAY, FOG OR FOAM. SMALL OUTDOOR FIRE:, PORTABLE FIRE EXTINGUISHER.

Fire Fighting Procedures:FOR ALL INDOOR FIRES AND ANY SIGNIFICANT OUTDOOR FIRE, SELF-CONTAINED BREATHING APPARATUS (SCBA) IS REQUIRED. RESPIRATORY AND EYE PROTECTION ARE REQUIRED FOR FIRE FIGHTING PERSONNEL.

Unusual Fire/Explosion Hazard:DO NOT CUT, WELD, HEAT, OR DRILL EMPTY CONTAINER.

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

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES. AVOID CONTACT. STOP LEAK IF WITHOUT RISK. CONTAIN SPILL. ABSORB WITH INERT ABSORBENTS SUCH AS DRY CLAY, OR DIATOMACEOUS EARTH. P

LACE USED

ABSORBENT IN CLOSED METAL CONTAINERS FOR LATER DISPOSAL OR BURN
ABSORBENT IN A SUITABLE COMBUSTION CHAMBER. DO NOT FLUSH TO SEWERS,
STREAMS OR OTHER BODIES OF WATER.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS IN
COOL, DRY, ISOLATED AND WELL-VENTILATED AREA. KEEP AWAY FROM
SOURCES OF IGNITION.

Other Precautions:AVOID CONTACT WITH SKIN AND EYES

. PRACTICE GOOD

PERSONAL HYGIENE. WASH HANDS AFTER HANDLING AND BEFORE EATING.
LAUNDRY WORK CLOTHES FREQUENTLY. DISCARD SATURATED LEATHER GOODS.

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

Respiratory Protection:RESPIRATOR NORMALLY NOT NECESSARY. IF MIST
GENERATED BY HEATING, SPRAYING, ETC WEAR AN ORGANIC VAPOUR
RESPIRATOR WITH A MIST FILTER. ALL RESPIRATORS MUST BE NIOSH
CERTIFIED.

Ventilation:IF USER'S OPERATIONS GENERATE VAPOURS OR MIST, USE EXHAUST

VENTILATION TO KEEP EXPOSURE TO AIRBORNE CONTAMINANTS BELOW THE
EXPOSURE LIMITS.

Protective Gloves:PVC CASUAL CONTACT. PROLONGED CONTACT: NITRILE OR
NEOPRENE ARE RECOMMENDED.

Eye Protection:CHEMICAL SPLASH GOGGLES IN CASE OF SPLASHING.

Other Protective Equipment:SAFETY BOOTS OR SHOES. LONG SLEEVED CLOTHING
TO MINIMIZE SKIN CONTACT. ENSURE THAT EYEWASH STATION AND SAFETY
SHOWER ARE CLOSE TO WORK-STATION.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

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NOTE TO PHYSICIAN: ACTIVATED CHARCOAL MIXTURE MAY BE ADMINISTERED. TO
PREPARE ACTIVATED CHARCOAL MIXTURE, SUSPEND 50 GRAMS ACTIVATED
CHARCOAL IN 400 ML WATER AND MIX THOROUGHLY. ADMINISTER 5 ML/KG OR
350 ML FOR AN AVERAGE ADULT.

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

HCC:V6

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=316.C, 600.8F

Melt/Freeze Pt:>-40.C, -40.F

M.P/F.P Text:POUR POINT

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:NEGLIGIBLE

Vapor Densit

y:>1 (AIR=1)

Spec Gravity:0.855-0.87

Viscosity:29.36 CST @ 40C

Evaporation Rate & Reference:NOT PROVIDED

Solubility in Water:INSOLUBLE

Appearance and Odor:DARK RED VISCOUS LIQUID, MILD PETROLEUM OIL LIKE
ODOR

Percent Volatiles by Volume:NON-VOLATILE

Corrosion Rate:3H @ 149C (COPPER)

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

CAN REACT WITH STRONG ORGANIC OXIDIZING AGENTS.

Stability Condition to Avoid:THIS PRODUCT IS ST
ABLE UNDER NORMAL

HANDLING AND STORAGE CONDITIONS.

Hazardous Decomposition Products:COX, SMOKE AND IRRITATING VAPOURS AS
PRODUCT OF INCOMPLETE COMBUSTION.

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Toxicological Information
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Toxicological Information:ACUTE LD50 (ORAL, RAT) > 5,000 MG/KG. ACUTE
DERMAL TOXICITY (LD50) > 2,000 MG/KG (RABBIT). ACUTE INHALATION
TOXICITY (LC50) > 5200 MG/M3/4H (RAT). ACUTE DERMAL/EYE IRRITATION:
NON-IRRITATION TO RABBIT . OSHA PEL (8-HOUR TWA) = 5 M

G/M3 FOR

MINERAL OIL MISTS. PROLONGED OR REPEATED SKIN EXPOSURE TO USED
MOTOR OILS CAN CAUSE CANCER IN MICE.

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Ecological Information
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Ecological:ENVIRONMENTAL FATE: THIS PRODUCT HAS THE POTENTIAL FOR
DEGREDEATION BY HYDROXYL RADICALS IN THE TROPOSPHERE UNDER THE
INFLUENCE OF SUNLIGHT AND BY BACTERIA IN SOIL OR WATER. ADDITIONAL
REMARKS: BASED O N SIMILAR PRODUCTS, BASE OILS ARE NONE TO LOW
ACUTE TOXICITY TOWARD AQUATIC ORGANISM

S. LC50 (RAINBOW TROUT)

>400,000 PPM IN 96 HOURS, 0% MORTALITY AT 400,000 PPM IN 96 HOURS,
LC50 (MYSIDOPSIS BAHAI) > 500,000 PPM IN 96 HOURS,.

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Disposal Considerations
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Waste Disposal Methods:SPENT/USED/WASTE OIL MAY MEET THE REQUIREMENTS
OF A HAZARDOUS WASTE. CONSULT YOUR LOCAL OR REGIONAL AUTHORTIES.
PREFERRED WASTE MANAGEMENT PRIORITIES ARE (1) RECYCLE OR REPROCESS
(2) INCINERATION WITH ENERGY RECOVERY (3) DISPOSAL AT LICENSED

WASTE DISPOSAL FACILITY. ENSURE COMPLIANCE WITH GOVERNMENT REQUIREMENTS AND LOCAL DISPOSAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information:NOT REGULATED

===== Regulatory Information =====

SARA Title III Information:NOT LISTED ON EPCRA OR SARA TITLE III.
Federal Regulatory Information:ALL COMPONENTS OF THIS FORMULATION ARE LISTED IN THE TSCA INVENTORY. NOT LISTED ON RCRA.
State Regulatory Information:NOT PROVIDED

===== Other Information =====

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