

Prod.Name: GM SYNCROMESH TRANSMISSION FLUID (RDL 2543)
Manufacturer: PETRO-CANADA
Supplier: PETRO-CANADA
HMCS ID: 218317
SUC: 04 - Metal Working Fluids and Lubricants

MATERIAL SAFETY DATA SHEET

Revision: 01.Apr.1992
Effective: 01.Apr.1992
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1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT INFORMATION

Product Name: GM SYNCROMESH TRANSMISSION FLUID (RDL 2543)

Product Synonyms:

470-838-0 PRODUCT CODE
 RDL 2543
 RDL-2543 (FORMERLY)
 SYNCHOMESH TRANSMISSION FLUID
 12345349

Recommended Use:

APPLICATION: THIS PRODUCT IS A STANDARD TRANSMISSION FLUID DESIGNED FOR USE IN SPECIFIED STANDARD TRANSAXLES IN FRONT WHEEL DRIVE GENERAL MOTOR VEHICLES.

MANUFACTURER INFORMATION

Manufacturer: PETRO-CANADA

Address:

P.O. BOX 2844 CAN ALBERTA T2P3E3 CALGARY MAILING

Communication Lines:

Phone 613-996-6666 CHEMTREC
 Phone 403-296-3000 EMERGENCY
 Phone 905-804-4752 INFO

SUPPLIER INFORMATION

Supplier: PETRO-CANADA

Address:

P.O. BOX 2844 CAN ALBERTA T2P3E3 CALGARY MAILING

Communication Lines:

Phone 613-996-6666 CHEMTREC
 Phone 403-296-3000 EMERGENCY
 Phone 905-804-4752 INFO

2 INGREDIENT INFORMATION

Chemical Family: PETROLEUM HYDROCARBON

FORMULATION

Ingredients:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Prefix</u>	<u>Value</u>	<u>Unit</u>	<u>Exposure Limits</u>
Lubricating oils, petroleum, C15-30, hydrotreated neutral oil-based	72623-86-0	<	100	% Wt	No
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	72623-87-1	<	100	% Wt	No
POUR POINT DEPRESSANT	989903-63-2	<	27	% Wt	No
VISCOSITY INDEX IMPROVER	989919-17-4	<	27	% Wt	No
ANTIFOAM	989923-43-5	<	27	% Wt	No
GEAR OIL ADDITIVE	989923-58-7	<	27	% Wt	No

Comment:

Other Information: TOGETHER CAS#S 72623860 & 72623871 COMPRISE >63% BY VOL. // OTHER EXPOSURE LIMITS: ALLOWABLE LIMITS (8 H): SEVERELY HYDROTREATED HYDROCARBON OIL (C20-C35): 5 MG/M3 (OIL MIST).

3 HAZARDS IDENTIFICATION

Specific Hazards (Routes Of Exposure):

<u>Exposure Routes</u>	<u>Exposure Duration</u>	<u>Observation</u>
Skin Contact	General	PROLONGED OR REPEATED CONTACT WITH SKIN MAY CAUSE MILD IRRITATION ANDPOSSIBLY DERMATITIS.
Eye Contact	General	MILDLY IRRITATING TO EYES.
Inhalation	General	IF SPRAYED OR MISTED, MAY CAUSE CHEMICAL PNEUMONITIS.
Ingestion	General	LOW TOXICITY ON INGESTION. HAS

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Exposure Routes

Exposure Duration

Observation

LAXATIVE EFFECT.

4 FIRST AID MEASURES

First Aid By::

Inhalation EVACUATE TO FRESH AIR. APPLY CARDIO PULMONARY RESUSCITATION IF REQUIRED. ADMINISTER OXYGEN IF AVAILABLE. IF RESUSCITATION REQUIRED, PHYSICIAN ASSESSMENT MANDATORY. ASPIRATION: IF ASPIRATED INTO LUNGS, PHYSICIAN ASSESSMENT MANDATORY.

Skin Contact REMOVE CONTAMINATED CLOTHING - LAUNDRER BEFORE REUSE. SOAP AND WATER WASH. DISCARD SATURATED LEATHER ARTICLES.

Eye Contact COPIOUS WARM WATER FLUSH - 15 MINUTES. PHYSICIAN ASSESSMENT IF EYE INFLAMED.

Ingestion DO NOT INDUCE VOMITING. FORCE FLUIDS. ACTIVATED CHARCOAL TABLETS.

Notes To Physician:

GASTRIC LAVAGE SHOULD ONLY BE DONE AFTER ENDOTRACHEAL INTUBATION IN VIEW OF THE RISK OR ASPIRATION WHICH CAN CAUSE SERIOUS CHEMICAL PNEUMONITIS FOR WHICH ANTIBIOTIC CORTICOSTEROID THERAPY MAY BE INDICATED.

5 FIRE FIGHTING MEASURES

Flash Point:

= 164 C COC. Flash Point Text:(MINIMUM).

Explosive Limits:

Upper Explosive Limit N/A
(UEL)

Lower Explosive Limit N/A
(LEL)

Autoignition Temperature:

> 250 C

Extinguishing Media:

DRY CHEMICAL OR CARBON DIOXIDE FOR SMALL FIRES. WATER SPRAY OR FOAM FOR LARGE FIRES.

Fire and Explosion Hazards:

LOW FIRE HAZARD. ADDITION OF WATER OR FOAM MAY CAUSE FROTHING. DO NOT CUT, DRILL OR WELD EMPTY CONTAINERS.

Special Fire Fighting Procedures:

CONTAIN SPILL. COVER WITH EXTINGUISHING AGENT. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS AND AS A PROTECTIVE SCREEN. DO NOT POINT SOLID WATER STREAM DIRECTLY INTO BURNING PRODUCT TO AVOID SPREADING. WEAR SELF-CONTAINED BREATHING APPARATUS WHEN FIGHTING FIRES IN CONFINED AREAS.

6 ACCIDENTAL RELEASE MEASURES

Comment:

Spill or Leak Procedures: CONTAIN SPILL. ABSORB WITH INERT ABSORBENT SUCH AS DRY CLAY, SAND OR DIATOMACEOUS EARTH, COMMERCIAL SORBENTS, OR RECOVER USING PUMPS. SCOOP UP USED ABSORBENT AND RAGS INTO DRUMS.

7 HANDLING AND STORAGE

STORAGE

Additional Information on Storage Conditions:

Precautions to be Taken in Handling and Storage: STORE IN COOL, WELL-VENTILATED AREA. WASH HANDS AFTER HANDLING AND BEFORE EATING. AVOID INHALATION AND SKIN CONTACT. LAUNDRER WORK CLOTHES FREQUENTLY. DISCARD SATURATED LEATHER GOODS.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:

Ventilation: GENERAL VENTILATION.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment (PPE):

Eye Protection NONE NORMALLY REQUIRED; CHEMICAL GOGGLES IF SPLASHING LIKELY OR HIGH-PRESSURE SYSTEMS USED.

Respiratory Protection NORMALLY NOT NECESSARY. IF MIST GENERATED BY HEATING, SPRAYING, ETC., WEAR APPROVED ORGANIC VAPOUR RESPIRATOR SUITABLE FOR OIL MIST IN AREAS WITH

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General Protection Hand Protection SUFFICIENT OXYGEN.
OTHER PROTECTIVE CLOTHING: WEAR LONG
SLEEVED CLOTHING TO MINIMIZE SKIN CONTACT.
FOR DIRECT CONTACT WITH HYDROCARBONS OF
MORE THAN TWO HOURS, NITRILE OR VITON
RECOMMENDED. OTHERWISE, PVC GLOVES MAY
BE WORN.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Color: AMBER VISCOUS LIQUID.

Odor: FAINT HYDROCARBON ODOUR.

PHYSICAL PROPERTIES

Changes of State:

Boiling Point	Range	350	C	(@ 1 ATM)
Pourpoint	=	-48	C	

Vapor Pressure:

(@ 25 C): <0.001 KPA

Vapor Density:

(@ 20 C): NOT APPLICABLE.

Evaporation Rate:

NOT APPLICABLE.

Density:

Density Density Text:(@ 15 C): APPROX.
0.88 KG/L.

Solubility:

Water Solubility in Water Text:NEGLIGIBLE.

Viscosity:

Viscosity (KINEMATIC) (@ 40 C): 38
CST (TYPICAL)

Total Amount Of::

Percent Volatile by Weight (@ 20 C): 0%

10 STABILITY AND REACTIVITY

STABILITY INFORMATION

Stability Under Normal Conditions: Stable

Conditions to Avoid:

EXCESSIVE HEAT.

Incompatible Materials:

STRONG OXIDIZING AGENTS (PEROXIDES, CHLORINE, STRONG ACIDS, ETC.).

Hazardous Polymerization:

Hazardous Polymerization: None. Hazardous Polymerization Text: CANNOT OCCUR.

HAZARDOUS DECOMPOSITION

Reactions:

Type of Reaction

Decomposition

Reaction Products

OXIDES OF CARBON; OXIDES OF SULFUR; OXIDES OF NITROGEN; OXIDES ZINC,
PHOSPHOROUS, AND MAGNESIUM; SMOKE ON COMBUSTION.

Comment:

Stability Text: STABLE.

11 TOXICOLOGICAL INFORMATION

OCCUPATIONAL EXPERIENCES

Additional Observations:

Acute Oral Effects: ESTIMATED ACUTE LD50 >5000 MG/KG (RAT, ORAL) PRACTICALLY NON-TOXIC. BASED ON TOXICITY OF SEVERELY HYDROTREATED BASE OILS.

CLASSIFICATION OF INGREDIENTS

Comment:

Toxicological Data Unlimited Text: SEVERELY HYDROTREATED BASE OILS ARE NEGATIVE WHEN TESTED BY THE MODIFIED AMES TEST.

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12 ECOLOGICAL INFORMATION

13 DISPOSAL CONSIDERATIONS

Waste Disposal Information:

DISPOSE IN APPROVED, SECURE CONTAMINATED WASTE LANDFILL SITE OR LICENSED WASTE RECLAIMER FACILITY. CHECK WITH APPLICABLE JURISDICTIONS FOR SPECIFIC DISPOSAL REQUIREMENTS.

14 TRANSPORT INFORMATION

Comment:

UN NUMBER: NOT REGULATED. // PRIMARY CLASSIFICATION: NOT REGULATED. // SUBSIDIARY CLASSIFICATION: NOT REGULATED. // COMPATIBILITY GROUPS: NOT REGULATED. // CANUTEC TRANSPORT EMERGENCY NO.: (613) 996-6666.

15 REGULATORY INFORMATION

LABELLING

Hazard Codes:

NFPA Flammability 1
NFPA Health 2
NFPA Reactivity 1

NATIONAL REGULATIONS

Immediate Health: No

Delayed Health: No

Fire: No

Sudden Pressure Release: No

Reactive: No

Comment:

WHMIS CLASS: NOT CONTROLLED.

16 OTHER INFORMATION