



# SAFETY DATA SHEET

According to Canadian Hazardous Products Regulations (HPR) (SOR/2015/17)

## SECTION #1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: TOTAL DYNATRANS AC 10W, 30 and 50

OTHER MEANS OF IDENTIFICATION: MIXTURE

RECOMMENDED USE: TO-4 TRANSMISSION FLUID

MANUFACTURER/SUPPLIER'S NAME: TOTAL CANADA INC.  
220, LAFLEUR  
LASALLE, QUEBEC  
H8R 4C9  
Tel.: (514) 595-7579 or 1-800-463-3955

24 HOURS EMERGENCY: Call CHEMTREC 1-800-424-9300 or 703-527-3887

## SECTION #2 HAZARDS IDENTIFICATION

### WHMIS CLASS AND DESCRIPTION



This product is not regulated by the WHMIS.

GLOBAL HARMONIZATION SYSTEM – WHMIS 2015 - According to Hazardous Products Regulations (HPR) (SOR/2015/17)



### WARNING!

Causes serious eye damage and irritation, Category 2 (H319)

EMERGENCY OVERVIEW: Repeated exposure may cause skin dryness and cracking

ROUTES OF ENTRY: Dermal contacts, Eye contact, Inhalation and Ingestion

### POTENTIAL ACUTE HEALTH EFFECTS:

INHALATION: Prolonged exposure to high vapor concentration of this product can cause headache, dizziness and nausea. Short-term overexposure can cause an irritation to the respiratory passages.

Exposure limit to the mist = 5 mg/m<sup>3</sup> (TLV/TWA, ACGIH).

CONTACT WITH EYES: Severely irritating to eyes.

**SKIN CONTACT:** This product should not cause skin irritation. Prolonged and repeated contact with this product can cause skin drying, which may result in skin irritation and dermatitis.

**INGESTION:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**OTHER EFFECTS:** None expected to cause any significant health effect under normal conditions of use. Not MUTAGENIC, GENOTOXIC or SENSITIZING for animals and humans.

**MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:**

Pre-existing disorders involving any target organs mentioned in MSDS as being at risk may be aggravated by the over-exposure to this product.

**OVEREXPOSURE SIGNS OR SYMPTOMS:**

Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.

SEE TOXICOLOGICAL INFORMATION (SECTION 11)

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### SECTION #3 COMPOSITION/INFORMATION ON INGREDIENTS

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According to Hazardous Products Regulations (HPR) (SOR/2015/17)

NOM	%	No CAS
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This product contains no hazardous ingredients as defined by the Canadian Hazardous Products Act (BILL C70) or by OSHA 29 CFR 1910.1200

- Canadian DSL status: All ingredients are listed.

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### SECTION #4 FIRST AID

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**GENERAL ADVICE:** IN CASE OF SERIOUS OR ANY PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY CARE. Show this material safety data sheet to the medical personnel in attendance.

**INHALATION:** Remove person to fresh air. See a physician if irritation persists.

**CONTACT WITH EYES:** Flush immediately with plenty of water for at least 15 minutes, also under the eyelids. See a physician immediately.

**CONTACT WITH SKIN:** Wash contaminated skin with mild soap and water. See a physician if irritation persists.

**INGESTION:** This product has a low toxicity. May cause nausea and have a laxative effect. Do not induce vomiting. Contact an Anti-Poison Center (1-800-463-5060).

**PROTECTION OF FIRST-AIDERS:** Do not use mouth to mouth if the victim has ingested or inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical advice. Use personal protective equipment.

**NOTE TO PHYSICIAN:** Treat symptomatically.

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## SECTION #5 FIRE FIGHTING MEASURES

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FLASH POINT (COC):	> 200°C
AUTOIGNITION TEMPERATURE (°C):	N/A
SUITABLE EXTINGUISHING MEDIA:	Foam, Dry chemical and CO <sub>2</sub>
UNSUITABLE EXTINGUISHING MEDIA:	<b>DO NOT USE A SOLID WATER STREAM AS IT MAY SCATTER AND SPREAD THE FIRE.</b>
HAZARDOUS COMBUSTION PRODUCTS:	Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon CO, CO <sub>2</sub> , various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration. Sulfur oxides, phosphorus oxides, nitrogen oxides.
SPECIAL FIRE FIGHTING PROCEDURES:	Do not enter confined fire space without adequate protective clothing and an approved positive self-contained breathing apparatus. Use water to cool fire exposed containers.

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## SECTION #6 ACCIDENTAL RELEASE MEASURES

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### SPILL AND LEAK PROCEDURES:

Except in case of small spillages. The feasibility of any actions should always be assessed and advised, if possible, by a trained, competent person in charge of managing the emergency.

If required, notify relevant authorities according to all applicable regulations.

Evacuate non-essential personnel. For personal protection see section 8.

Stop or contain leak at the source, if safe to do so.

In case of large spillages, alert occupants in downwind areas.

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

### ADVICE FOR NON EMERGENCY PERSONNEL:

Do not touch or walk through spilled material.

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

### ADVICE FOR EMERGENCY PERSONNEL:

Take all appropriate steps to avoid fire, explosion and inhalation hazards to the rescuers including the use of breathing apparatus.

In case of small spillages: normal working clothes are usually adequate.

Large spillages: Chemical resistant clothing, apron. Work gloves (preferably gauntlets) providing adequate chemical resistance. Remarks: Gloves made of PVA are not water-resistant, and are not suitable for emergency use. Work helmet, safety shoes or boots. Goggles and/or face shield, if splashes or contact with eyes is possible or anticipated. Respiratory protection not normally required in normal conditions. A half or full-face respirator with filter(s) for organic vapors (and when applicable: for H<sub>2</sub>S would be recommended otherwise. A Self-Contained Breathing Apparatus (SCBA) can be used according to the extent oxygen deficiency is possible

### ENVIRONMENTAL PRECAUTIONS:

Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. The product should not be allowed to enter drains, water courses or the soil.

### METHODS AND MATERIALS FOR CONTAINEMENT AND CLEANING UP:

Dam up. Ground and bond containers when transferring material. Keep in suitable, closed containers for disposal. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Use clean non-sparking tools to collect absorbed material.

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## SECTION #7 HANDLING AND STORAGE

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**STORAGE AND HANDLING:** Use appropriate equipment (refer to section 8) whenever manipulating this product. Keep container in a cool and well-ventilated area. Do not enter storage areas and confined spaces unless adequately ventilated. Keep container tightly closed and sealed until ready for use. Store and use away from heat, sparks, open flame or any other ignition source.

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## SECTION #8 EXPOSURE CONTROLS / PERSONAL PROTECTION

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**EXPOSURE LIMITS:** ACGIH TLV: TWA: 5 mg/m<sup>3</sup> 8 hour(s).  
ACGIH STEL: TWA: 10 mg/m<sup>3</sup> 15 minutes.

**VENTILATION:** Mechanical ventilation is recommended as to keep airborne concentrations of vapors below their respective occupational exposure limits.

**RESPIRATORY PROTECTION:** Wear an appropriate respirator when ventilation is inadequate.

**GLOVES:** Resistant gloves (Viton, Nitrile, Neoprene) are recommended when handling this material.

**EYE PROTECTION:** Chemical safety goggles with side-shields are recommended.

**BODY:** Flame retardant clothing is required.

**OTHER PROTECTION:** In confined spaces or where the risk of skin exposure is higher, resistant clothing or apron should be worn. Security boots.

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## SECTION #9 PHYSICAL DATA

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<b>PHYSICAL STATE AT 25°C</b>	Liquid
<b>APPEARANCE ET ODOR:</b>	Amber liquid with characteristic odor
<b>BOILING POINT:</b>	> 260°C
<b>FLASH POINT (COC):</b>	> 200°C

**POUR POINT:**

10W: -30°C  
30: -24°C  
50: -12°C

**EVAPORATION RATE (ethyl ether =1):**

< 1

**LOWER FLAMMABILITY LIMITS:**

N/A

**UPPER FLAMMABILITY LIMITS:**

N/A

**VAPOR PRESSURE (mm Hg at 20°C):**

Negligible

**DENSITY (g/cm<sup>3</sup> at 15°C):**

0,88 to 0,91

**VISCOSITY (cSt at 40°C):**

10W: 37  
30: 105  
50: 225

**VISCOSITY (cSt at 100°C):**

10W: 6  
30: 11.8  
50: 19

**SOLUBILITY IN WATER:**

Insoluble. Soluble in many common organic solvents.

**AUTOIGNITION TEMPERATURE (°C):**

N/A

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**SECTION #10 STABILITY AND REACTIVITY**

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**STABILITY:**

Stable

**POSSIBILITY OF HAZARD REACTIONS:**

Will not occur

**CONDITIONS TO AVOID:**

Avoid heat above flash point, sparks, ignition points, flames, static electricity.

**PRODUCTS TO AVOID:**

Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Mercaptans, Hydrogen sulphide

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**SECTION #11 TOXICOLOGICAL INFORMATION**

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SPECIES	LD <sub>50</sub> ORAL	LD <sub>50</sub> DERMAL	LC <sub>50</sub> INHALATION	HRS
Rat	> 3000 mg/Kg	> 2000 mg/Kg	N/A	---

**CHRONIC EFFECTS ON HUMANS:**

Minimally toxic, Negligible hazard at ambient/normal temperature. This product should not be harmful through inhalation. Prolonged exposure to high vapor concentration of this product can cause headache, dizziness and nausea and in the case of hot mist, it can cause an irritation to the respiratory passages

**CARCINOGENIC EFFECTS:**

Does not contain ingredients that are listed as carcinogenic or potential carcinogen by OSHA, IARC or the U.S. National Toxicology Program (NTP).

**TERATOGENICITY/MUTAGENICITY:**

This product has no teratogenic or mutagenic effects known.

**OTHER TOXIC EFFECTS ON HUMANS:**

Characteristic skin lesions (pimples) may develop following prolonged and repeated exposures (contact with contaminated clothing). Severely irritating to eyes.

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## SECTION #12 ECOLOGICAL INFORMATION

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### ENVIRONMENTAL EFFECTS:

Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams, or public waterways. Block off drains and ditches. Provincial regulations require and federal regulations may require that environmental and/or other agencies be notified of a spill incident. Spill area must be cleaned and restored to original condition or to the satisfaction of authorities.

### ECOTOXICITY:

#### TOXICITY TO ALGAE:

ACUTE: EC50 (72h) > 500 mg/l (Desmodesmus subspicatus - OECD 201)  
EC50 (72h) 2.2 mg/l  
CHRONIC: NOEC 1.0 mg/l

#### TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES:

ACUTE: EL50 (48h) > 1000 mg/l (Daphnia magna – OECD 202)  
EC50 (48h) 1.2 mg/l (Daphnia magna)  
CHRONIC: NOEC (21d) 0.4 mg/l (Daphnia magna)

#### TOXICITY TO FISH:

ACUTE: LC50 (96h) > 1000 mg/l (Pimephales promelas - OECD 203)  
LC50 (96h) 4.5 mg/l  
CHRONIC: NOEC (28d) 1.8 mg/l

#### TOXICITY TO MICROORGANISMS: NA

MOBILITY: Air: Part of this product will evaporate into the atmosphere.  
Soil: Product has no soil mobility.  
Water: Insoluble will spread on the surface of the water

### BIODEGRADABILITY: NOT READILY BIODEGRADABLE.

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## SECTION #13 DISPOSAL CONSIDERATIONS

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**WASTE DISPOSAL METHODS:** Consult relevant local authorities. Reclaim or dispose of at a licensed waste disposal company. Incinerate with approval of appropriate local authority.

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## SECTION #14 TRANSPORTATION INFORMATION

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### TRANSPORTATION in CANADA (TDG)



This product is not regulated under the Canadian regulations on the transport of dangerous goods for transport by road or rail.

SHIPPING NAME: None  
UN NUMBER: None  
CLASS DESCRIPTION: None

Other agencies:	
USDOT:	Not regulated by that agency as a hazardous material.
IMO/IMDG (SEA):	Not regulated for maritime transport.
ICAO/ IATA (AIR):	Not regulated for air transport.
ADNR (INLAND WATERWAY TRANSPORT):	Not regulated by that agency as a hazardous material.
ADR/RID:	Not regulated by that agency as a hazardous material.
ADN:	Not regulated by that agency as a hazardous material.

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## SECTION #15 REGULATORY INFORMATION

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This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

THIS PRODUCT IS A WHMIS CONTROLLED SUBSTANCE - Category 2- Causes serious eye damage and irritation.

DSL/NDSL Status: This product, or all components, are listed on the Domestic Substances List, as required under the Canadian Environmental Protection Act. This product and/or all components are listed on the U.S. EPA TSCA Inventory.

Other Regulatory Status: No Canadian federal standard; however, for general discharge guidance, federal installations limited to 15 mg/L for total oil and grease. Provincial criteria are likely and should be requested when notifying provincial authorities.

### INTERNATIONAL REGULATIONS:

#### U.S. Federal Regulations:

TSCA 8(b) inventory: All components are listed.

#### **SARA 302/304/311/312 extremely hazardous substances:**

To the best of our knowledge, there are no substances that would be at reportable levels for this regulation in this product.

#### **SARA 302/304 emergency planning and notification:**

To the best of our knowledge, there are no substances that would be at reportable levels for this regulation in this product.

#### **SARA 302/304/311/312 hazardous chemicals:**

Distillates (petroleum), hydrotreated light

#### **SARA 311/312 MSDS distribution - chemical inventory - hazard identification:**

Distillates (petroleum), hydrotreated light: Delayed (chronic) health hazard

#### **SARA 313**

This product contains no chemicals in excess of the applicable de minimis concentration that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (Table 372.65).

Clean Water Act (CWA) 307: To the best of our knowledge, there are no substances that would be at reportable levels for this regulation in this product.

Clean Water Act (CWA) 311: To the best of our knowledge, there are no substances that would be at reportable levels for this regulation in this product.

Clean Air Act (CAA) 112 accidental release prevention: To the best of our knowledge, there are no substances that would be at reportable levels for this regulation in this product.

Clean Air Act (CAA) 112 regulated flammable substances: To the best of our knowledge, there are no substances that would be at reportable levels for this regulation in this product.

Clean Air Act (CAA) 112 regulated toxic substances: To the best of our knowledge, there are no substances that would be at reportable levels for this regulation in this product.

### STATES REGULATIONS:

To the best of our knowledge, there are no substances that would be at reportable levels for this regulation in this product.



California Proposition 65: To the best of our knowledge, there are no Proposition 65 chemicals present in this product at levels that would require warning under the California Safe Drinking Water and Toxic Enforcement Act.

**OTHER INTERNATIONAL LISTS:**

**Australia inventory (AICS):** This material is listed or exempted.

**China inventory (IECSC):** This material is listed or exempted.

**EUROPE (EINECS/ELINCS/NLP):** This material is listed or exempted.

**Japan inventory:** Not determined.

**Korea inventory (KECL):** This material is listed or exempted.

**New Zealand Inventory of Chemicals (NZIoC):** This material is listed or exempted.

**Philippines inventory (PICCS):** This material is listed or exempted.

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**SECTION #16      ADDITIONAL INFORMATION**

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**Label requirements:** Causes serious eye irritation

H411 - Toxic to aquatic life with long lasting effects

Other Hazardous System Classification: According to the **NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)** and **Hazardous Materials Identification System (HMIS)**:

NFPA		HMIS	
1	HEALTH	1	WEAK RISK
1	FLAMMABILITY	1	WEAK RISK
0	REACTIVITY	0	NO SIGNIFICANT RISK
	INDIVIDUAL PROTECTION	B	Eye protection and gloves are recommended

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Revised on: June 1st 2017, by Maria Cristina Martinez

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