

(11233)



MSDS

(Material Safety Data Sheet)

SECTION #1 PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: TRIBOPLATE

CHEMICAL NAME AND SYNONYMS: SYNTHETIC GRAPHITE

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

APPROVED MATERIAL

JUL 22 2015

MSDS # 11233
APPROVED BY *[Signature]*

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

PRODUCT USE: SOLID LUBRICANT

WHMIS CLASS AND DESCRIPTION -



D2B

D2B: Toxic Material causing other toxic effects

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

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

SECTION #2 COMPOSITION/INFORMATION ON INGREDIENTS

NAME	% weight	CAS #
SYNTHETIC GRAPHITE	100	---

ADDITIONAL REGULATORY INFORMATION

- 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.

* No components of this product have been found carcinogenic or potential carcinogen. Does not contain ingredients that are listed as carcinogenic or potential carcinogen by OSHA, IARC or the U.S. National Toxicology Program (NTP). This product or its components have no teratogenic or mutagenic effects known.

SECTION #3 PHYSICAL DATA

PHYSICAL STATE AT 25°C	SOLID PELLETS
BOILING POINT:	> 4000°C
MELTING POINT:	3650°C
SPECIFIC GRAVITY (WATER = 1):	2.20 to 2.26
VAPOR PRESSURE (mm Hg at 20°C):	Negligible
VISCOSITY (cSt at 40°C):	NO OBJECT
EVAPORATION RATE:	Negligible
SOLUBILITY IN WATER:	Negligible
APPEARANCE AND ODOR:	Yellowish with bland odor

SECTION #4 STABILITY AND REACTIVITY

STABILITY:	Vapors may produce a flammable/detonating mixture in air.
CONDITIONS TO AVOID:	Avoid excessive heat, open flames and formation of oil mist.
PRODUCTS TO AVOID:	Incompatible with Fluor, chlorine trifluoride, potassium peroxide (possibility of explosion or fire).
HAZARDOUS DECOMPOSITION PRODUCTS:	N/A
POLYMERIZATION:	Will not occur

SECTION #5 FIRE FIGHTING MEASURES

FLASH POINT, (COC):	NO OBJECT
FLAMMABILITY LIMITS IN AIR: (% PER VOLUME)	LEL: NO OBJECT UEL: NO OBJECT
AUTOIGNITION TEMPERATURE (°C):	N/A
EXTINGUISHING MEDIA:	Water, Foam, Dry chemical and CO ₂
HAZARDOUS COMBUSTION PRODUCTS:	Normal combustion products (none).
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.

SECTION #6 TOXICOLOGICAL INFORMATION

SPECIES	LD ₅₀ ORAL	LD ₅₀ DERMAL	LC ₅₀ INHALATION	HRS
Rat	> 5000 mg/Kg	> 2000 mg/Kg	5000 mg/m ³	4

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/m³ (TLV/TWA, ACGIH).

CONTACT WITH EYES: May cause eye irritation.

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: May cause nausea.

SECTION #7 ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES: Eliminate all ignition sources. Stop leak only if safe to do so. Absorb residue or small spills with absorbent material and remove to non-leaking containers for disposal.

SECTION #8 HANDLING AND STORAGE

STORAGE AND HANDLING: Store in cool, dry, ventilated area, away from heat and ignition sources. Use good personal hygiene. Always keep the container close.

SECTION #9 EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Mechanical ventilation is recommended.

RESPIRATORY PROTECTION: If mist present, chemical cartridge respirator is recommended.

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

EYE PROTECTION: Chemical safety goggles are recommended.

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

SECTION #10 DISPOSAL CONSIDERATIONS

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

SECTION #11 FIRST AID

INHALATION: Remove person to fresh air. See a physician if irritation persists.
CONTACT WITH EYES: Flush immediately with water for at least 15 minutes.
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).

SECTION #12 HAZARDS IDENTIFICATION

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.
CONTACT WITH EYES: May cause eye irritation.
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: May cause nausea.

SECTION #13 ECOLOGICAL INFORMATION

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.

BIODEGRADABILITY: NOT READILY BIODEGRADABLE.

SECTION #14 TRANSPORTATION INFORMATION

TRANSPORTATION in CANADA (TDG)

not regulated; these products are not considered a dangerous good

TDG PROPER SHIPPING NAME	Not a TDG Regulated Material
TDG HAZARD CLASS	Not Regulated
PACKING GROUP	Not Regulated
TDG I.D. NUMBER/ UN NUMBER	Not Regulated
DOT (USA)	Not Regulated
IMO/IMDG	Not Regulated
IATA	Not Regulated
ADR	Not Regulated
RID	Not Regulated

SECTION #15 REGULATORY INFORMATION

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.

Class D2B Other Toxic Effects – Skin Irritant

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 standards.

SECTION #16 ADDITIONAL INFORMATION

LABEL STATEMENTS**Hazard Statement:**

Irritating to skin.

Handling Statement:

Avoid prolonged exposure to vapors.

Wear suitable gloves and eye protection.

Prepared by: André St-Jean, Chemist

Revised on: 7 November 2014 by Maria Cristina Martinez

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