

SAFETY DATA SHEET

SECTION 1 – SUPPLIER AND OTHER INFORMATION

PRODUCT

Product Name : **SENT 17111**
MILITARY SPECIFICATION : **MIL-DLT-17111E (1)**
Product Use : **LUBRICANT**
Chemical Family : **PETROLEUM HYDROCARBON**
Product Description : **FLUID, POWER TRANSMISSION**

COMPANY IDENTIFICATION

MANUFACTURER / SUPPLIER : **SENTINEL CANADA**
7300 St-Jacques West
Montreal, Quebec H4B 1W1 CANADA

TELEPHONE NUMBERS

Supplier General Contact : 514-483-6500
1-800-361-2517

24-hour Environmental / Health Emergency

Emergency Telephone Number (CANUTEC) : 1-613-996-6666 (CANADA)
Emergency Telephone Number (CHEMTREC) : 1-800-424-9300 (U.S.A.)

SECTION 2 – HAZARDS IDENTIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard, 29CFR Part 1910.1200

Classification of the product

Skin irritant : 3

Eye irritant : 1

Label element

PICTOGRAM



Signal word: **DANGER**

Health Hazard Statement

H315 Causes skin irritation

Prevention Precautionary Statements

P273 Avoid release to the environment.
P280 Wear protective gloves.
P264 Wash thoroughly with soap & water after handling.

Response Precautionary Statements

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P303 + P362 If on skin (or hair) wash with plenty of soap & water.
P362 + P364 Take off contaminated clothing and wash before reuse.

Disposal Precautionary Statement

P501 Dispose of contents/container to hazardous or special waste collection point.

Hazardous not otherwise classified.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazard of the substance or mixture.

Labelling of special precautions (GHS):

Classification System:

NFPA rating (scale 0-4)

Workplace Hazardous Material Information (WHMIS-Canada)
Hazardous Material Information System (HMIS-U.S.A.)

Santé	1
Inflammabilité	1
Réactivité	0
Protection individuelle	B

HAZARD RATINGS

4- Extreme
3- Serious

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>COMPONENTS</u>	<u>CAS #</u>	<u>% by Weight</u>	<u>LC₅₀/LD₅₀</u>	<u>Exposure Limits</u>
Severely Hydrotreated, Light naphthenic Distillate	64742-53-6	30-60	N.Av.	N.Av.
Hydrotreated Middle petroleum Distillate	64742-46-7	10-30	N.Av.	N.Av.
Butylated Triphenyl Phosphate	56803-37-3	0.5-1.0	N.Av.	N.Av.
Polymeric Additive in Oil	Mixture	10-16	N.Av.	N.Av.
Minor Additives	Mixture	0,8	N.Av.	N.Av.
Based upon data available, component 3 and 4 in this product are not hazardous under OSHA Hazard Communication 29 CFR 1910.1200 .				

SECTION 4 – FIRST AID MEASURES

- Eyes Contact:** *Flush eyes with water for 15 minutes. If irritation occurs, get medical attention.*
- Skin Contact:** *Remove soiled clothing and shoes. Wipe away excess of product, then, wash skin with soap and water. If irritation occurs, get medical attention. In case of injection under the skin, get medical attention promptly to prevent serious damage. Do not wait for symptoms to occur.*
- Inhalation:** *Remove victim to fresh air and provide oxygen if breathing is difficult. Get medical attention promptly.*
- Ingestion:** *Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.*

SECTION 5 – FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Use water fog, foam, dry chemical or CO₂.

FIRE FIGHTING

Firefighting Procedures: Use water spray, dry chemical, foam or carbon dioxide. Use water spray to cool containers exposed to heat or fire to prevent pressure build up which could rupture. Wear self-contained breathing apparatus and full turn-out gear to fight fire. Avoid spreading liquid and fire by water flooding.

Hazardous Combustion Products: Burning will produce toxic fumes.

FLAMMABILITY PROPERTIES

Flash Point (Method) : 225°F (COC)

Flammable Limits (%) : LEL: Not determined UEL: Not determined

Autoignition Temperature : Not determined

Unusual Fire and Explosion Hazards:

Empty containers retain residue that can be dangerous. Exposure to heat builds up pressure in closed containers. Cool with water spray. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heating sources (flame, sparks, etc.), they may explode and cause injury.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

SPILL MANAGEMENT

Steps to be Taken in Case Material is Released or Spilled: Soiled surfaces are extremely slippery. The use of protective equipment is required to remove the spills. Cover with Sentinel absorbent or any other inert material and remove to disposal container. Place in an appropriate disposal facility in compliance with local regulations.

ENVIRONMENTAL PRECAUTIONS

Prevent entry into waterways, sewers, basements or confined areas. Under EPA-CWA, this product is classified an oil under Section 311. Spills into or leading to surface waters that cause a sheen must be reported.

SECTION 7 –**HANDLING AND STORAGE**

HANDLING:

Put on appropriate personal protective equipment (see section 8). Do not use oil above the maximum recommended operation temperature. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

STORAGE:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8 –**EXPOSURE CONTROLS / PERSONAL PROTECTION**

Respiratory Protection (Specify Type): *If overheated, use appropriate NIOSH approved respiratory equipment.*

Ventilation - Mechanical (General) Exhaust: Adequate ventilation

Protective Gloves: Impermeable gloves to minimize skin contact.

Eye Protection: Chemical splash goggles or face shield.

Other Protective Clothing or Equipment: Work clothing as required to minimize contact.

Work/Hygienic Practices: *Wash with soap and water before eating, drinking, smoking or using toilet facilities.*

Other Information: *Store in a cool, dry place with adequate ventilation. Keep away from open flames and all sources of ignition.*

SECTION 9 –**PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: *N.D.*

Specific Gravity (H₂O=1): *0.85 ±0.05*

Vapor Pressure (mmHg): *N.D.*

Melting Point : *N.A.*

Vapor Density (Air = 1) : *N.D.*

Evaporation Rate : *N.D.*

Solubility in Water : *Negligible*

Appearance and Odour: *Clear red liquid with mild hydrocarbon odor*

SECTION 10 –**STABILITY AND REACTIVITY**

Stability: Stable

Conditions to Avoid: Stable under normal conditions of use and storage.

Incompatibility (Materials to Avoid): Strong oxidizing agents

Hazardous Decomposition Products: Thermal decomposition products are highly dependent on the combustion conditions. A complex mixture of gaseous, liquid and solid particulates will evolve when this material undergoes pyrolysis or combustion. Carbon monoxide and other unidentified organic compounds may be formed upon combustion and will produce toxic fumes.

Hazardous Polymerization: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicological Information (Animal Toxicity Data)**Median Lethal Dose:** For light naphthenic Distillate

Oral (LD₅₀)	: >5 g/kg (rat)
Inhalation	: N.D..
Dermal	: >2 g/kg (rabbit)
Sensitization	: N.D.

Potential Chronic Health Effects:

Carcinogenic effects	: Does not contain any carcinogen as identified by IARC, NTP or OSHA.
Mutagenic effects	: N.A.
Teratogenic effects	: N.A.

SECTION 12 – ECOLOGICAL INFORMATION

Aquatic and Soil Ecotoxicology (if available): There is no ecological data on the product itself.**Aquatic Toxicity:** N.D.**Mobility:** N.D.**Persistence and Biodegradability:** N.D.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a license waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7 (HANDLING AND STORAGE) and Section 8 (EXPOSURE CONTROLS / PERSONAL PROTECTION) for additional handling information and protection of employees.

SECTION 14 – TRANSPORT INFORMATION

TDG Classification	: Not regulated
DOT Classification	: Not regulated
IMDG Classification	: Not regulated
IATA Classification	: Not regulated
ICAO Classification	: Not regulated

SECTION 15 – REGULATORY INFORMATION

CANADA

WHMIS (Canada) : Not controlled
Canadian Lists : **CEPA Toxic substances:** None of the components are listed
Canadian ARET: None of the components are listed
Canadian NPRI: None of the components are listed.
Alberta Designated Substances: None of the components are listed.
Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.

Canada Inventory : **Canada Inventory:** All components are listed or exempted.

United States

U.S. Federal Regulations : **TSCA INVENTORY STATUS:**
The components of this product are listed on the EPA/TSCA Inventory of Chemical Substances.
SARA 302/304/311/312 Hazard Categories: None
SARA 302/304/311/312 hazardous chemicals: None
Clear Air Act (CWA) 307/311: None
Clear Air Act (CAA 112): None

INTERNATIONAL INVENTORY

The components of this product are reported in the following inventories, or are exempted:

Canadian DSL, EINECS, AICS, NZIoC, ENCS, KECI, PICCS, IECSC.

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

SECTION 16 – OTHER INFORMATION

ABBREVIATIONS EXPLANATION

EINECS / ELINGS	European Inventory of Existing Commercial Chemical Substances / Liste européenne des substances chimiques notifiées
TSCA	TSCA Inventory / Inventaire du TSCA
AICS	Australia Inventory of Chemical Substances / Inventaire des substances chimiques de l'Australie
DSL / LSD	Domestic Substances List (DSL) / Liste des substances domestiques (LSD)
ENCS	Japan – Existing and New Chemical Substances Inventory / Inventaire des substances chimiques existantes et nouvelles du Japon
KECI	Korea – Korean Existing Chemicals Inventory / Corée – Substances chimiques existantes
PICCS	Philippine Inventory of Chemicals and Chemical Substances / Inventaire des substances chimiques des Philippines
IECSC	China – Inventory of Existing Chemical Substances in China (IECSC)/ Chine – Inventaires des substances chimiques existantes en Chine

Notice to Reader

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N.A.: Not Applicable**N.D.: Not Determined**

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