

**Safety Data Sheet**  
**RECIPROCATING**  
**COMPRESSOR OIL**

**TOPRING**

SDS 1900A

**1. Identification**

<b>Product identifier</b>	RECIPROCATING COMPRESSOR OIL
<b>Product code</b>	69.201
<b>Other means of identification</b>	Huile à compresseur, for Viscosity Grade ISO 22, ISO 32, ISO 46, ISO 68, ISO 100 ISO 150, ISO 220, ISO 320 and ISO 460.
<b>Recommended use of the chemical and restrictions on use</b>	Compressor oil
<b>Manufacturer</b>	TOPRINGS LTÉE. 1020, boulevard Industriel Granby, Québec J2J 1A4 Tél. 800.263.8677 450.375.1828 Télec. 450.375.1408 <a href="http://www.topring.com">http://www.topring.com</a>
<b>Emergency phone number</b>	Canutec: 613-996-6666 Quebec Antipoison Center: 1-800-463-5060

**2. Hazard identification**

<b>Summary</b>	Avoid contact with eyes. Avoid prolonged contact with skin. Avoid prolonged or repeated inhalation of mist or vapor. Do not ingest. If ingested consult physician immediately and show this Safety Data Sheet. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved.
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**WHMIS 2015/OSHA HCS 2012/GHS**

**Not Regulated under WHMIS 2015/GHS**

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P264: Wash skin thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P280: Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved.

P301+310+331: IF SWALLOWED: Immediately call a POISON CENTER or a physician. Do NOT induce vomiting.

P363: Wash contaminated clothing before reuse.

P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P403: Store in a well-ventilated place.

P501: Dispose of contents and container to an approved waste disposal plant.

**3. Composition/information on ingredients**

<b>Common name</b>	<b>CAS</b>	<b>Weight % content</b>
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	10 - 90 %

Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	10 - 90 %
Residual oils (petroleum), solvent-refined	64742-01-4	10 - 90 %
<b>Note:</b> The product is made at 99.9% of a mixture of these highly refined ingredients, containing no polycyclic aromatic hydrocarbon (PAH).		

#### 4. First-aid measures

<b>Inhalation</b>	Move person to fresh air. If not breathing, give artificial respiration. If a problem develops or persists, seek medical attention.
<b>Skin contact</b>	Wash skin with warm water and mild soap for at least 15 minutes. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention. Discard contaminated leather articles such as shoes and belt.
<b>Eye contact</b>	Flush with water for at least 15 minutes. Remove contact lenses. Hold eyelids apart to rinse properly. If a problem develops or persists, seek medical attention.
<b>Ingestion</b>	DO NOT INDUCE VOMITING! If victim is conscious wash out mouth with water. Never give anything by mouth if victim is unconscious or convulsing. If spontaneous vomiting occurs, keep head below hip level to prevent aspiration into the lungs. Seek medical attention or contact a Poison Centre immediately.
<b>Other</b>	No information available.
<b>Symptoms</b>	No information available.
<b>Notes to the physician</b>	Aspiration hazard for the lungs (ingestion/vomiting). Can enter lungs and cause damage. If gastric lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	dried powder, carbon dioxide (CO <sub>2</sub> ), chemical foam. Do not use a heavy water jet.
<b>Specific hazards arising from the chemical</b>	Non-Flammable. May be combustible at high temperature.
<b>Special protective equipment</b>	Firefighters must wear self contained breathing apparatus with full face mask. Firefighting suit may not be efficient against chemicals.
<b>Special protective actions for fire-fighters</b>	Use water spray to cool fire-exposed containers. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Do not touch spilled material. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
<b>Environmental precautions</b>	Prevent entry in sewer and other enclosed area. For a large spill, consult the Department of Environment or the relevant authorities.
<b>Methods and materials for containment and cleaning up</b>	Ventilate the area well. Remove sources of ignition. Absorb with inert material (soil, sand, vermiculite) and place in an appropriate waste disposal clearly identified. Dispose via a licensed waste disposal contractor.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Use in well ventilated area. Avoid contact with eyes. Avoid prolonged contact with skin. Avoid prolonged or repeated breathing of vapour or mists. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet. Turn off all pilot lights, flames, stoves, heaters, electric motors, welding equipment and other sources of ignition. Avoid contamination with another chemical product. Keep containers tightly closed when not in use. Do not eat, do not drink and do not smoke during use. After use, wash hands with soap and water. Wash contaminated clothing before reuse.
<b>Conditions for safe storage, including any incompatibilities</b>	Store tightly close and in properly labelled container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials (see section 10). Keep away from direct sunlight and heat.
<b>Storage temperature</b>	5 to 45°C (41 to 113°F)

## 8. Exposure controls/personal protection

<b>Immediately Dangerous to Life or Health</b>	No IDLH value is reported.
Mixture	TWA (8h) Mist 5 mg/m <sup>3</sup> ACGIH
Distillates (petroleum), hydrotreated heavy paraffinic	TWA (8h) Mist 5 mg/m <sup>3</sup> ACGIH , RSST
Distillates (petroleum), solvent-refined heavy paraffinic	TWA (8h) Mist 5 mg/m <sup>3</sup> ACGIH , RSST
Residual oils (petroleum), solvent-refined	TWA (8h) Mist 5 mg/m <sup>3</sup> ACGIH , RSST
<b>Appropriate engineering controls</b>	Provide sufficient mechanical ventilation (general and/or local exhaust) to keep the airborne concentrations of vapours, mists, aerosols or dust below their respective occupational exposure limits.
<b>Individual protection measures</b>	
<b>Eye</b>	Wear safety glasses. If there is a risk of contact with eyes, wear chemical splash goggles. If respiratory hazards exist, a full face respirator may be required instead.
<b>Hands</b>	If any risk of skin contact wear nitrile gloves. Disposable nitrile gloves can also be used, but discard after single use. Before using, user should confirm impermeability. Discard gloves with tears, pinholes, or signs of wear. Gloves must only be worn on clean hands. Wash gloves with water before removing them. After using gloves, hands should be washed and dried thoroughly.
<b>Skin</b>	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code. To clean up a spill, if necessary, wear a synthetic polyethylene coveralls such as the Tychem (DuPont) or equivalent coveralls manufactured to provide protection against liquid chemical.
<b>Respiratory</b>	A respirator is not required in a well-ventilated area. Where the conditions in the workplace require a respirator, it is necessary to follow a respiratory protection program. Moreover, respiratory protection equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA. In case of insufficient ventilation or in confined or enclosed space and for an assigned protection factor (APF) up to 10 times the exposure limit, wear a half mask respirator with organic vapour cartridges fitted with P100 filters. For an APF until maximum 100 times of exposure limit, wear a full face respirator mask with organic vapour cartridges and P100 filters.
<b>Feet</b>	Wear rubber boots to clean up a spill.



Safety glasses Nitrile gloves

## 9. Physical and chemical properties

<b>Physical state</b>	Liquid	<b>Flammability</b>	Non-flammable.
<b>Colour</b>	Yellowish	<b>Flammability limits</b>	N/Av.
<b>Odour</b>	Hydrocarbon-like odour	<b>Flash point</b>	>190°C (374°F)
<b>Odour threshold</b>	100 ppm	<b>Auto-ignition temperature</b>	>300°C (572°F)
<b>pH</b>	N/Av.	<b>Sensibility to electrostatic charges</b>	N.Av.
<b>Melting point</b>	-50 to 0°C (-58°F)	<b>Sensibility to sparks and/or friction</b>	N.Av.
<b>Freezing point</b>	-50 to 0°C (-58°F)	<b>Vapour density</b>	>1 (Air = 1)
<b>Boiling point</b>	N/Av.	<b>Relative density</b>	0.86 to 0.9 kg/L (Water = 1)
<b>Solubility</b>	Insoluble in water.	<b>Partition coefficient n-octanol/water</b>	5 to 24
<b>Evaporation rate</b>	< Butyl Acetate	<b>Decomposition temperature</b>	N/Av.
<b>Vapour pressure</b>	<0.13kPa (1 mm Hg) @ 25°C (77°F)	<b>Viscosity</b>	20 to 506 cSt @ 40°C (104°F)
<b>Percent Volatile</b>	N/Av.	<b>Molecular mass</b>	N/Av.

N/Av.: Not Available    N/Av.: Not Applicable    Und.: Undetermined    N/E: Not Established

## 10. Stability and reactivity

<b>Reactivity</b>	No known dangerous reactions.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions (including polymerizations)</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid</b>	Avoid contact with incompatible materials. Avoid high temperatures and intense heat.
<b>Incompatible materials</b>	Strong oxidizing agents (e.g. nitric acid, perchloric acid, peroxides, nitrates, chlorates and perchlorates).
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological information


<b>Numerical measures of toxicity</b>	Distillates (petroleum), hydrotreated heavy paraffinic	Ingestion	>15000 mg/kg	Rat	LD50
		Skin	>5000 mg/kg	Rabbit	LD50
	Distillates (petroleum), solvent-refined heavy paraffinic	Ingestion	>5000 mg/kg	Rat	LD50
		Inhalation	2.18 mg/l/4h	Rat	LC50
	Residual oils (petroleum), solvent-refined	Skin	>5000 mg/kg	Rabbit	LD50
		Ingestion	>5000 mg/kg	Rat	LD50
		Skin	>5000 mg/kg	Rabbit	LD50
	Skin, eyes, inhalation, ingestion.				

<b>Likely routes of exposure</b>	
<b>Delayed, immediate and chronic effects</b>	<p><b>Eye contact</b> May cause slight irritation to eyes. Eye Irritation, Rabbit: tests performed with each ingredient of this mixture gave not irritating to slightly irritating results.</p> <p><b>Skin contact</b> Prolonged and repeated contact may cause skin irritation and/or dermatitis. Skin Irritation, Rabbit : tests performed with each ingredient of this mixture gave not irritating to slightly irritating results.</p> <p><b>Inhalation</b> Generally speaking, working cleanly and following basic precautionary measures will greatly minimize the potential for harmful exposure to this product under normal use conditions. Exposure to high concentrations of vapor from heated product may cause headache, dizziness, respiratory tract irritation.</p> <p><b>Ingestion</b> Low degree of acute toxicity. Aspiration hazard for the lungs (ingestion/vomiting). Can enter lungs and cause damage. However, the risk of aspiration hazard into the lungs can be minimal due to the high viscosity of the material.</p> <p><b>Respiratory or skin sensitization</b> This product is not a skin or respiratory sensitizer. Skin sensitisation, Guinea pig: tests performed with each ingredient of this mixture gave negative results.</p> <p><b>IARC/NTP Classification</b> No ingredients listed.</p> <p><b>Carcinogenicity</b> The following information has been reported for the aliphatic petroleum distillates with regards to carcinogenicity (IARC, 1987): Untreated and mildly-treated oils are carcinogenic to humans (Group 1), and highly-refined oils are not classified as carcinogenic to humans.</p> <p><b>Mutagenicity</b> This material is not known to cause mutagenic effect.</p> <p><b>Reproductive toxicity</b> This material is not known to cause effects on reproduction.</p> <p><b>Specific target organ toxicity - single exposure</b> No target organ is listed.</p> <p><b>Specific target organ toxicity - repeated exposure</b> No target organ is listed.</p>
<b>Interactive effects</b>	No information available.
<b>Other information</b>	No information available.

## 12. Ecological information

<b>Ecological toxicity</b>	<p>Fish, various LC50 SES / NES</p> <p>Aquatic Invertebrates, various EC50 SES / NES</p> <p>Aquatic Plant - various EC50 SES / NES</p>
<b>Persistence</b>	Moderately persistent in the environment.
<b>Degradability</b>	Biodegradable (<30% in 28 days). The product is a heavy hydrocarbon mixture in which some ingredients are not readily biodegradable (OECD 301B, IUCLID).
<b>Bioaccumulative potential</b>	Log Kow values ranging from about 5 to 25. Bioconcentration Factor (BCF) between 0.9 and 750000 for the mixture. These values indicate a high degree of bioaccumulation.
<b>Mobility in soil</b>	Insoluble in water. This mixture is likely to have high Koc values (>5000), indicating a high degree of sorption to the organic matter in soils. This value suggests that some components will display low mobility and some will be essentially immobile in soil. This product pollutes water and contaminates the soil.
<b>Other adverse effects</b>	Due to the very low solubility of these chemicals in water, the acute toxicity to fish and aquatic invertebrates, and the toxicity to aquatic plants are considered to be no effects at saturation (NES). The chronic toxicity to aquatic invertebrates is also considered to be no effects at saturation (NES).

### 13. Disposal considerations

<b>Container</b> 	Important! Prevent waste generation. Use in full. DO NOT dispose residue in sewers, streams or drinking water supply. Non-use oils or waste oils can be reprocessed (recycle) where there is a recovery program. Dispose via a licensed waste disposal contractor. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.
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### 14. Transport information

<b>UN Number</b>	UN
<b>UN Proper Shipping Name</b>	Not regulated by TDG (Canada) and 49 CFR DOT (USA).
<b>Environmental hazards</b>	This material is not listed as a marine pollutant.
<b>Special precautions for user</b>	No information available for this product.
<b>TDG - Transportation of Dangerous Goods (Canada)</b>	
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Emergency response guidebook 2012</b>	
<b>IMO/IMDG - International Maritime Transport</b>	
<b>Classification</b>	Not regulated
<b>IATA - International Air Transport Association</b>	
<b>Classification</b>	Not regulated
These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.	

### 15. Regulatory information

<b>Other regulations</b>	<p>UNITED STATE OF AMERICA:</p> <ul style="list-style-type: none"><li>- Toxic Substance Control Act (TSCA) : All ingredients are listed in the TSCA Inventory.</li><li>- EPCRA Section 302/304 Extremely Hazardous Substances: No material is listed.</li><li>- EPCRA Section 313 Toxic Chemicals: No material is listed.</li><li>- CERCLA Hazardous Substances: No material is listed.</li><li>- Clean Water Act (CWA) 311 Hazardous Substances: This material is listed.</li></ul> <p>CANADA :</p> <ul style="list-style-type: none"><li>- List of Toxic Substances Managed Under CEPA 1999 (annexe 1, Canadian Environmental Protection Act): No material is listed.</li><li>- Canada DSL and NDSL: All ingredients are listed in the Domestic Substances List (DSL).</li><li>- Canadian National Pollutant Release Inventory Substances (NPRI): No material is listed.</li></ul>
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WHMIS 1988



Non-WHMIS controlled

**HMIS**

0	Health
1	Flamability
0	Reactivity
B	Protective Equipment

**NFPA**



## 16. Other information

<b>Date</b> (YYYY-MM-DD)	Toprings Ltee 2016-11-09
<b>Version</b>	01
<b>Other information</b>	<p>REFERENCES:</p> <ul style="list-style-type: none"><li>- Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, <a href="http://hazmap.nlm.nih.gov/index.php">http://hazmap.nlm.nih.gov/index.php</a></li><li>- High Production Volume (HPV) Chemical Challenge Program, U.S. EPA, <a href="http://www.epa.gov/hpv/">http://www.epa.gov/hpv/</a></li><li>- Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), <a href="http://www.reptox.csst.qc.ca">http://www.reptox.csst.qc.ca</a></li></ul> <p>ACGIH: American Conference of Governmental Industrial Hygienists AIHA: American Industrial Hygiene Association HMIS: Hazardous Materials Identification System NFPA: National Fire Protection Association OSHA: Occupational Safety and Health Administration (USA) NIOSH: National Institute for Occupational Safety and Health NTP: National Toxicology Program RSST: Règlement sur la santé et la sécurité du travail (Québec) GHS: Globally Harmonized System IARC: International Agency for Research on Cancer IDLH: Immediately Dangerous to Life or Health STEL: Short Term Exposure Limit (15 min) TWA: Time Weighted Averages WHMIS: Workplace Hazardous Materials Information System</p> <p>To the best of our knowledge, the information contained herein is accurate. However, neither Préventis System nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.</p>