



**Safety Data Sheet  
FORMING OIL 185**

**Revision Date: 02/25/2025**

**Section 1. Identification**

**Product identifier**

**Product Identity** FORMING OIL 185

**Other means of identification** Not Applicable

**Relevant identified uses of the substance or mixture and uses advised against**

See Technical Data Sheet.

**Details of the supplier of the safety data sheet**

**Company Name** Chem-Ecol Ltd.  
640 Victoria St.  
Cobourg, Ontario K9A 5H5

**Emergency**

**24 hour Emergency Telephone No.** 1-800-263-3939

**Customer Service:** 905-372-2251

**Email Address** info@chem-ecol.com

**Section 2. Hazard(s) identification**

**Classification of the substance or mixture under US OSHA's Hazard Communication Standard (1910.1200) revised 2024 and Canadian Hazardous Products Regulations (SOR/2015-17) (GHS revision 7)**

Carcinogen, category 1B;H350 May cause cancer.

**Label elements**



**Danger**

H350 May cause cancer.

**[Prevention]**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves, eye protection, and face protection.

**[Response]**

P308+313 IF exposed or concerned: Get medical advice or attention.

P332+313 If skin irritation occurs: Get medical attention.

**[Storage]**

P405 Store locked up.

**[Disposal]**

P501 Dispose of contents or container in accordance with local and national regulations.

**Other hazards**

This product contains no PBT/vPvB/vPvM chemicals.

This product contains no endocrine disrupting chemicals.

Does not contain component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS) per US or Canadian regulations.

**Section 3. Composition/information on ingredients**

This product contains the following substances that present a hazard within the meaning of US OSHA's Hazard Communication Standard (1910.1200) revised 2024 and Canadian Hazardous Products Regulations (SOR/2015-17) (GHS revision 7)

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Residual oils (petroleum), solvent dewaxed CAS Number: 64742-62-7 Synonyms: Residual oils (petroleum), solvent-dewaxed	45 - 70	Not Classified	No data available
Lubricating oils, petroleum, hydrotreated spent CAS Number: 64742-58-1 Synonyms: Petroleum oil, 64742-58-1	30 - 60	Not Classified	No data available
Antiwear additive CAS Number: Proprietary Synonyms: Antiwear additive	0.5 - 1.5	Acute toxicity(oral), category 5;H303 Skin corrosion/irritation category 2;H315 Serious eye damage / eye irritation, category 2A;H319 Carcinogen, category 1B;H350	No data available
Oil Impover CAS Number: Proprietary Synonyms: Oil Impover	0.5 - 1.5	Not Classified	No data available

The actual concentration or concentration range is withheld as a trade secret.

\*PBT/vPvB - PBT, vPvM or vPvB-substance.

The full texts of the phrases are shown in Section 16.

**Section 4. First aid measures****Description of first aid measures****General**

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

**Inhalation**

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**Eyes**

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

**Skin**

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

**Ingestion**

If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

**Most important symptoms and effects, both acute and delayed****Overview**

No specific symptom data available.

Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 3 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.

Treat symptomatically. See section 2 for further details.

**Skin**

Causes mild skin irritation.

**Section 5. Fire-fighting measures****Extinguishing media**

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.

Unsuitable extinguishing media: Do not use; water jet.

**Special hazards arising from the substance or mixture**

Hazardous decomposition: Oxides of carbon

**Advice for fire-fighters**

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

**ERG Guide No.** 128

**Section 6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

Put on appropriate personal protective equipment (see section 8).

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

**Environmental precautions**

Do not allow spills to enter drains or waterways.

**Methods and material for containment and cleaning up**

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

**Section 7. Handling and storage****Precautions for safe handling**

Handle containers carefully to prevent damage and spillage.

See section 2 for further details. - [Prevention]

**Conditions for safe storage, including any incompatibilities**

Incompatible materials: Compound is incompatible with strong oxidizers.

See section 2 for further details. - [Storage]

**Specific end use(s)**

No available information

**Section 8. Exposure controls / personal protection****Control parameters****Exposure Limits**

CAS No.	Ingredient	Source	Value
64742-58-1	Lubricating oils, petroleum, hydrotreated spent	ACGIH	No Established Limit
		OSHA	No Established Limit
		NIOSH	No Established Limit
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
		Yukon	No Established Limit
64742-62-7	Residual oils (petroleum), solvent dewaxed	ACGIH	No Established Limit
		OSHA	No Established Limit
		NIOSH	No Established Limit
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
		Yukon	No Established Limit
Proprietary	Oil Impover	ACGIH	No Established Limit
		OSHA	No Established Limit
		NIOSH	No Established Limit
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
		Yukon	No Established Limit
Proprietary	Antiwear additive	ACGIH	No Established Limit
		OSHA	No Established Limit
		NIOSH	No Established Limit
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit

Newfoundland and Labrador	No Established Limit
Nova Scotia	No Established Limit
Northwest Territories	No Established Limit
Nunavut	No Established Limit
Ontario	No Established Limit
Prince Edward Island	No Established Limit
Quebec	No Established Limit
Saskatchewan	No Established Limit
Yukon	No Established Limit

Contains mineral oil. The exposure limits for oil mist are 5 mg/m<sup>3</sup> OSHA PEL and 5 mg/m<sup>3</sup> ACGIH.

### Exposure controls

<b>Respiratory</b>	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
<b>Eyes</b>	Protective safety glasses recommended
<b>Skin</b>	Avoid skin contact. Protective gloves recommended.
<b>Engineering Controls</b>	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
<b>Other Work Practices</b>	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

## Section 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid
<b>Color</b>	Golden Brown
<b>Odor</b>	Oily
<b>Melting point / freezing point</b>	< 0 °C
<b>Initial boiling point and boiling range</b>	> 250 °C
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> No available information <b>Upper Explosive Limit:</b> No available information
<b>Flash Point</b>	> 200 °C, (Open Cleveland cup)
<b>Auto-ignition temperature</b>	No available information
<b>Decomposition temperature</b>	No available information
<b>pH</b>	No available information
<b>Viscosity (cSt)</b>	185 cSt
<b>Solubility in Water</b>	No available information
<b>Partition coefficient n-octanol/water (Log Kow)</b>	No available information
<b>Vapor pressure (Pa)</b>	< 1 mm Hg
<b>Relative Density</b>	0.88
<b>Vapor Density</b>	> 1
<b>Evaporation rate (Ether = 1)</b>	No available information
<b>Oxidising properties</b>	No available information
<b>Explosive properties</b>	No available information

**Other information**

DMSO extract by IP346: Less than 3.0 wt % (mineral oil component only)

**Section 10. Stability and reactivity****Reactivity**

Hazardous Polymerization will not occur.

**Chemical stability**

Stable under normal circumstances.

**Possibility of hazardous reactions**

No available information

**Conditions to avoid**

Avoid high temperatures and contact with incompatible material

**Incompatible materials**

Compound is incompatible with strong oxidizers.

**Hazardous decomposition products**

Oxides of carbon

**Section 11. Toxicological information****Acute toxicity**

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Residual oils (petroleum), solvent dewaxed - (64742-62-7)	No data available.	No data available.	No data available.	No data available.	No data available.
Lubricating oils, petroleum, hydrotreated spent - (64742-58-1)	No data available.	No data available.	No data available.	No data available.	No data available.
Antiwear additive - (Proprietary)	No data available.	No data available.	No data available.	No data available.	No data available.
Oil Impover - (Proprietary)	No data available.	No data available.	No data available.	No data available.	No data available.

**Carcinogen Data**

CAS No.	Ingredient	Source	Value
64742-58-1	Lubricating oils, petroleum, hydrotreated spent	IARC ACGIH	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; No Established Limit
64742-62-7	Residual oils (petroleum), solvent dewaxed	IARC ACGIH	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; No Established Limit
Proprietary	Oil Impover	IARC ACGIH	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; No Established Limit
Proprietary	Antiwear additive	IARC ACGIH	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; No Established Limit

  

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable

Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	1B	May cause cancer.
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

**Possible routes of entry:** Skin, eyes, inhalation of oil mist.

**Symptoms and effects, both acute and delayed:**

No specific symptom data available.

Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 3 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.

Treat symptomatically.

**Skin** Causes mild skin irritation.

**Section 12. Ecological information**

**Toxicity**

No additional information provided for this product. See Section 3 for chemical specific data.

**Aquatic Ecotoxicity**

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Residual oils (petroleum), solvent dewaxed - (64742-62-7)	No data available.	No data available.	No data available.
Lubricating oils, petroleum, hydrotreated spent - (64742-58-1)	No data available.	No data available.	No data available.
Antiwear additive - (Proprietary)	No data available.	No data available.	No data available.
Oil Impover - (Proprietary)	No data available.	No data available.	No data available.

**Persistence and degradability**

There is no data available on the preparation itself.

**Bioaccumulative potential**

No available information

**Mobility in soil**

No available information

**Results of PBT and vPvB assessment**

This product contains no PBT/vPvB/vPvM chemicals.

**Other adverse effects**

No available information

## Section 13. Disposal considerations

### Waste treatment methods

Observe all federal, provincial and local regulations when disposing of this substance.

## Section 14. Transport information

Classification Method: Classified as per Part 2, Sections 2.1-2.8 of the Transportation of Dangerous Goods Regulations.

	DOT (Domestic Surface Transportation)	TDG (Domestic Surface Transportation)
<b>UN number</b>	NA1270	NA1270
<b>UN proper shipping name</b>	Not Regulated	Petroleum oil
<b>Transport hazard class(es)</b>	<b>Class: 3</b>	<b>Class: 3</b>
<b>Packing group</b>	III	<b>Sub Class: Not Applicable</b>
		III
	IMO / IMDG (Ocean Transportation)	ICAO/IATA
<b>UN number</b>	NA1270	NA1270
<b>UN proper shipping name</b>	Petroleum oil	Petroleum oil
<b>Transport hazard class(es)</b>	<b>Class: 3</b>	<b>Class: 3</b>
<b>Packing group</b>	<b>Sub Class: Not Applicable</b>	<b>Sub Class: Not Applicable</b>
	III	III

### Environmental hazards

Marine Pollutant: No;

### Special precautions for user

No available information

## Section 15. Regulatory information

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

This product has been classified in accordance with US OSHA's Hazard Communication Standard (1910.1200) revised 2024 and Canadian Hazardous Products Regulations (SOR/2015-17 amended 2022-12-15) (GHS revision 7) and the SDS contains all of the information required by those regulations.

### Toxic Substance Control Act (TSCA)

Lubricating oils, petroleum, hydrotreated spent (UVCB )

Residual oils (petroleum), solvent dewaxed (UVCB )

### EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Canadian Domestic Substance List (DSL):**

Lubricating oils, petroleum, hydrotreated spent  
Residual oils (petroleum), solvent dewaxed

**Canadian Non-Domestic Substance List (NDSL):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Carcinogens (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Developmental Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 Label Warning:**

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**Section 16. Other information**

**Revision Date** 02/25/2025

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H303 May be harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H350 May cause cancer.

**Disclaimer:**

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for their own particular use.

End of Document