



**Safety Data Sheet
GRINDING OIL 15**

**Revision
Date: 01/29/2025**

Section 1. Identification

Product identifier

Product Identity

GRINDING OIL 15

Other means of identification

Not Applicable

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

Oil for grinding operations

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)

Skin sensitizer category 1;H317

May cause an allergic skin reaction.

Reproductive toxicity, category 2;H361

Suspected of damaging fertility or the unborn child.

Specific target organ toxicity, repeated exposure category 2;H373

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard, category 1;H304

May be fatal if swallowed and enters airways.

Aquatic toxicity (chronic), category 3;H412

Harmful to aquatic life with long lasting effects.

Label elements



Danger

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.

[Prevention]

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust, fume, mist, vapors or spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves, eye protection, and face protection.

[Response]

P301+310 IF SWALLOWED: Immediately call a POISON CENTER, doctor or physician.
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P308+313 IF exposed or concerned: Get medical advice or attention.
P314 Get Medical advice or attention if you feel unwell.
P331 Do NOT induce vomiting.
P333+313 If skin irritation or a rash occurs: Get medical advice or attention.
P362+364 Take off contaminated clothing and wash it before reuse.

[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
Lubricating oils, petroleum, hydrotreated spent CAS Number: 64742-58-1 Synonyms: Petroleum oil, 64742-58-1	65 - 85	Not Classified	No data available
Distillates (petroleum), hydrotreated light CAS Number: 64742-47-8 Synonyms: Distillates (petroleum), hydrotreated light	10 - 30	Aspiration hazard, category 1;H304	No data available
9-octadecenoic acid (z)-, 2-ethylhexyl ester CAS Number: 26399-02-0 Synonyms: 9-octadecenoic acid (z)-, 2-ethylhexyl ester	3 - 7		No data available

Isopropylated triphenyl phosphate CAS Number: 68937-41-7 Synonyms: Isopropylated triaryl phosphates	3 - 7	Skin sensitizer category 1;H317 Reproductive toxicity, category 2;H361 Specific target organ toxicity, repeated exposure category 2;H373	No data available
2,6-Di-tert-butyl-p-cresol CAS Number: 128-37-0 Synonyms: Butylhydroxytoluene	0.5 - 1.5	Aquatic toxicity (chronic), category 1;H410	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 accidentally 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. Treat symptomatically. See section 2 for further details.
Inhalation	May be fatal if swallowed and enters airways.
Skin	May cause an allergic skin reaction.

Section 5. Fire-fighting measures

Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.

Unsuitable extinguishing media: Do not use; water jet.

Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

Do not breathe dust, fume, mist, vapors or spray.

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			
CAS No.	Ingredient	Source	Value
128-37-0	2,6-Di-tert-butyl-p-cresol	ACGIH	2 mg/m ³ (IFV) Inhalable Fraction and Vapor
		OSHA	No Established Limit
		NIOSH	TWA 10 mg/m ³
		Alberta	10 mg/m ³ TWA
		British Columbia	2 mg/m ³ TWA (aerosol, inhalable, and vapour)
		Manitoba	2 mg/m ³ TWA (inhalable fraction and vapor)
		New Brunswick	10 mg/m ³ TWA
		Newfoundland and Labrador	2 mg/m ³ TWA (inhalable fraction and vapor)
		Nova Scotia	2 mg/m ³ TWA (inhalable fraction and vapor)
		Northwest Territories	2 mg/m ³ TWA (inhalable fraction and vapour) 4 mg/m ³ STEL (inhalable fraction and vapour)
		Nunavut	2 mg/m ³ TWA (inhalable fraction and vapour) 4 mg/m ³ STEL (inhalable fraction and vapour)
		Ontario	2 mg/m ³ TWA (inhalable fraction and vapor)
		Prince Edward Island	2 mg/m ³ TWA (inhalable fraction and vapor)
		Quebec	10 mg/m ³ STEV

		Saskatchewan	2 mg/m ³ TWA (inhalable fraction and vapour) 4 mg/m ³ STEL (inhalable fraction and vapour)
		Yukon	10 mg/m ³ TWA 20 mg/m ³ STEL
26399-02-0	9-octadecenoic acid (z)-, 2-ethylhexyl ester	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
64742-47-8	Distillates (petroleum), hydrotreated light	ACGIH	No Established Limit
		OSHA	500 ppm, 2000 mg/m ³
		NIOSH	No Established Limit
		Alberta	No Established Limit
		British Columbia	200 mg/m ³ TWA (application restricted to conditions with negligible aerosol exposures)
		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
64742-58-1	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
68937-41-7	Isopropylated triphenyl phosphate	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/m³ OSHA PEL and 5 mg/m³ ACGIH.

Exposure controls

Respiratory

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes

Protective safety glasses recommended

Skin

Avoid skin contact. Protective gloves recommended.

Engineering Controls

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.

Other Work Practices

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

Physical State

Liquid

Color

Clear Yellow

Odor

Oily

Melting point / freezing point

< 0 °C

Initial boiling point and boiling range	> 250 °C
Flammability (solid, gas)	No available information
Upper/lower flammability or explosive limits	Lower Explosive Limit: No available information Upper Explosive Limit: No available information
Flash Point	> 130 °C, (Open Cleveland cup)
Auto-ignition temperature	No available information
Decomposition temperature	No available information
pH	No available information
Viscosity (cSt)	15 cSt
Solubility in Water	No available information
Partition coefficient n-octanol/water (Log Kow)	No available information
Vapor pressure (Pa)	< 1 mm Hg
Relative Density	0.86
Vapor Density	> 1
Evaporation rate (Ether = 1)	No available information
Oxidising properties	No available information
Explosive properties	No available information
Other information	
No other relevant information.	

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

No hazardous decomposition data available.

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
Lubricating oils, petroleum, hydrotreated spent - (64742-58-1)	No data available.	No data available.	No data available.	No data available.	No data available.
Distillates (petroleum), hydrotreated light - (64742-47-8)	> 5,000.00, Rat - Category: NA	>2,000.00, Rabbit - Category: 5	No data available.	No data available.	No data available.
9-octadecenoic acid (z)-, 2-ethylhexyl ester - (26399-02-0)	No data available.	No data available.	No data available.	No data available.	No data available.
Isopropylated triphenyl phosphate - (68937-41-7)	30,000.00, Rat - Category: NA	10,000.00, Rabbit - Category: NA	200.00, Rat - Category: NA	No data available.	No data available.
2,6-Di-tert-butyl-p-cresol - (128-37-0)	6,001.00, Rat - Category: NA	No data available.	No data available.	No data available.	No data available.

Carcinogen Data

CAS No.	Ingredient	Source	Value
128-37-0	2,6-Di-tert-butyl-p-cresol	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
		ACGIH	A4
26399-02-0	9-octadecenoic acid (z)-, 2-ethylhexyl ester	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
64742-47-8	Distillates (petroleum), hydrotreated light	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
64742-58-1	Lubricating oils, petroleum, hydrotreated spent	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
68937-41-7	Isopropylated triphenyl phosphate	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	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	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	2	Suspected of damaging fertility or the unborn child.
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	2	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	1	May be fatal if swallowed and enters airways.

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

Symptoms and effects, both acute and delayed:

No specific symptom data available.

Treat symptomatically.

Skin

May cause an allergic skin reaction.

Section 12. Ecological information

Toxicity

Harmful to aquatic life with long lasting effects.

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
Lubricating oils, petroleum, hydrotreated spent - (64742-58-1)	No data available.	No data available.	No data available.
Distillates (petroleum), hydrotreated light - (64742-47-8)	20.00, Oncorhynchus mykiss	1.40, Daphnia magna	8.30, Pseudokirchneriella subcapitata
9-octadecenoic acid (z)-, 2-ethylhexyl ester - (26399-02-0)	No data available.	No data available.	No data available.
Isopropylated triphenyl phosphate - (68937-41-7)	1.15, Oncorhynchus mykiss	14.00, Daphnia magna	No data available.
2,6-Di-tert-butyl-p-cresol - (128-37-0)	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)

UN number NA1270

UN proper shipping name Not Regulated

Transport hazard class(es) 3
Sub Class: 3

Packing group III

TDG (Domestic Surface Transportation)

UN number NA1270
UN proper shipping name Petroleum oil
Transport hazard class(es) 3
Sub Class: Not Applicable
Packing group III

IMO / IMDG (Ocean Transportation)

UN number NA1270
UN proper shipping name Petroleum oil
Transport hazard class(es) **IMDG:** 3
Sub Class: Not Applicable
Packing group III

ICAO/IATA

UN number NA1270
UN proper shipping name Petroleum oil
Transport hazard class(es) **Air Class:** 3
Sub Class: Not Applicable
Packing group 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)

9-octadecenoic acid (z)-, 2-ethylhexyl ester
2,6-Di-tert-butyl-p-cresol
Distillates (petroleum), hydrotreated light (UVCB)
Isopropylated triphenyl phosphate (UVCB TP)
Lubricating oils, petroleum, hydrotreated spent (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):

2,6-Di-tert-butyl-p-cresol
Distillates (petroleum), hydrotreated light
Isopropylated triphenyl phosphate
Lubricating oils, petroleum, hydrotreated spent

Canadian Non-Domestic Substance List (NDSL):

9-octadecenoic acid (z)-, 2-ethylhexyl ester

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 01/29/2025

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:

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H361 Suspected of damaging fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

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.

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