



**Safety Data Sheet
CHEMKUT 500CFHD**

**Revision Date:
12 May, 2026**

Section 1. Identification

Product identifier

Product Identity

CHEMKUT 500CFHD

Other means of identification

CHEMKUT 500 CFHD

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

Industrial Cutting Oil

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: Chem-Ecol Ltd.

905-372-2251

Email Address

SDS@e360s.ca

Section 2. Hazard(s) identification

This SDS is aligned with the Workplace Hazardous Materials Information System (WHMIS) and with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Classification of the substance or mixture

Skin sensitizer category 1;H317 May cause an allergic skin reaction.

Label elements



Warning

H317 May cause an allergic skin reaction.

[Prevention]

P261 Avoid breathing dust, fume, gas, mist, vapours, spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

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

[Response]

P302+352 IF ON SKIN: Wash with plenty of soap and water.

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]

No GHS storage statements

[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 the US EPA PFASMASTER combined list of PFAS chemicals.

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| Section 3. Composition/information on ingredients |
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This product contains the following substances that present a hazard within the meaning of the Hazardous Products Regulations.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|--|-----------|--|-------|
| Lubricating oils, petroleum, hydrotreated spent CAS Number: 64742-58-1 Synonyms: Petroleum oil, 64742-58-1 | 80 - 100 | Not Classified | ---- |
| Pentene, 2,4,4-trimethyl-, sulfurized CAS Number: 68515-88-8 Synonyms: No available information | 3 - 7 | Skin sensitizer category 1;H317 Aquatic toxicity (chronic), category 4;H413 | ---- |
| Distillates (petroleum), solvent refined heavy paraffinic CAS Number: 64741-88-4 Synonyms: Distillates (petroleum), solvent-refined heavy paraffinic; Baseoil-unspecified, SEVERELY SOLVENT REFINED HEAVY PARAFFINIC PETROLEUM OIL | 1 - 5 | Not Classified | ---- |
| Calcium carbonate CAS Number: 471-34-1 Synonyms: No available information | 0.5 - 1.5 | Not Classified | ---- |
| Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts CAS Number: 68584-23-6 Synonyms: No available information | 0.1 - 1 | Skin sensitizer category 1B;H317 : 10 % ≤ C ≤ 100 % | ---- |
| Calcium petroleum sulfonate CAS Number: 61789-86-4 Synonyms: Sulfonic acids, petroleum, calcium salts | 0.1 - 1 | Not Classified | ---- |
| Benzenesulfonic acid, mono-C15-24-alkyl derivatives, calcium salts CAS Number: 70024-69-0 Synonyms: Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | 0.1 - 1 | Not Classified | ---- |

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.

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| Section 4. First aid measures |
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Description of first aid measures

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| 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. No chronic toxicity or long term toxicity information available. Treat symptomatically. See section 2 for further details. |
| 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.

Avoid breathing dust, fume, gas, mist, vapours, 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.

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 vapours. 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: No available information

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 |
|------------|-----------------------------|---------------------------|--|
| 471-34-1 | Calcium carbonate | ACGIH | No Established Limit |
| | | Alberta | 10 mg/m ³ TWA |
| | | 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 | 10 mg/m ³ TWA (listed under Limestone) 20 mg/m ³ STEL (listed under Limestone) |
| | | Nunavut | 10 mg/m ³ TWA (listed under Limestone) 20 mg/m ³ STEL (listed under Limestone) |
| | | Ontario | No Established Limit |
| | | Prince Edward Island | No Established Limit |
| | | Quebec | 10 mg/m ³ TWAEV (total dust) |
| | | Saskatchewan | 10 mg/m ³ TWA (listed under Limestone) 20 mg/m ³ STEL (listed under Limestone) |
| | | Yukon | 30 mppcf TWA; 10 mg/m ³ TWA 20 mg/m ³ STEL |
| 61789-86-4 | Calcium petroleum sulfonate | ACGIH | 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 |

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|------------|---|---------------------------|----------------------|
| | | 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 |
| 64741-88-4 | Distillates (petroleum), solvent refined heavy paraffinic | ACGIH | 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 |
| 64742-58-1 | Lubricating oils, petroleum, hydrotreated spent | ACGIH | 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 |
| 68515-88-8 | Pentene, 2,4,4-trimethyl-, sulfurized | ACGIH | 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 |

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|------------|--|---------------------------|----------------------|
| | | 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 |
| 68584-23-6 | Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts | ACGIH | 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 |
| 70024-69-0 | Benzenesulfonic acid, mono-C15-24-alkyl derivatives, calcium salts | ACGIH | 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 vapour 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

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| Physical State | Liquid |
| Color | Light Straw |
| Odor | Mild Oil Odor |
| Odor threshold | No available information |
| Melting point / freezing point | - 20 °C |
| Initial boiling point and boiling range | > 200 °C |
| Flammability (solid, gas) | Not Applicable |
| Upper/lower flammability or explosive limits | Lower Explosive Limit: No available information Upper Explosive Limit: No available information |
| Flash Point | 195 °C, Test method: (Open cup) |
| Auto-ignition temperature | No available information |
| Decomposition temperature | No available information |
| pH | No available information |
| Viscosity (cSt) | 22 cSt |
| Solubility in Water | No available information |
| Partition coefficient n-octanol/water (Log Kow) | No available information |
| Vapour pressure (Pa) | No available information |
| Relative Density | 0.88 |
| Vapour Density | No available information |
| Evaporation rate (Ether = 1) | No available information |
| Oxidising properties | No available information |
| Explosive properties | 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

No available information

Hazardous decomposition products

No hazardous decomposition data available.

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| Section 11. Toxicological information |
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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 vapour 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. |
| Pentene, 2,4,4-trimethyl-, sulfurized - (68515-88-8) | No data available. | No data available. | No data available. | No data available. | No data available. |
| Distillates (petroleum), solvent refined heavy paraffinic - (64741-88-4) | > 5,000.00, Rat - Category: NA | > 5,000.00, Rabbit - Category: NA | No data available. | 11.00, Rat - Category: NA | No data available. |
| Calcium carbonate - (471-34-1) | > 2,000.00, Rat - Category: NA | > 2,000.00, Rat - Category: NA | No data available. | No data available. | No data available. |
| Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts - (68584-23-6) | > 5,000.00, Rat - Category: NA | > 5,000.00, Rabbit - Category: NA | No data available. | No data available. | No data available. |
| Calcium petroleum sulfonate - (61789-86-4) | No data available. | No data available. | No data available. | No data available. | No data available. |
| Benzenesulfonic acid, mono-C15-24-alkyl derivatives, calcium salts - (70024-69-0) | No data available. | No data available. | No data available. | No data available. | No data available. |

Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|------------|--|--------|----------------------|
| 471-34-1 | Calcium carbonate | IARC | No |
| | | ACGIH | No Established Limit |
| 61789-86-4 | Calcium petroleum sulfonate | IARC | No |
| | | ACGIH | No Established Limit |
| 64741-88-4 | Distillates (petroleum), solvent refined heavy paraffinic | IARC | No |
| | | ACGIH | No Established Limit |
| 64742-58-1 | Lubricating oils, petroleum, hydrotreated spent | IARC | No |
| | | ACGIH | No Established Limit |
| 68515-88-8 | Pentene, 2,4,4-trimethyl-, sulfurized | IARC | No |
| | | ACGIH | No Established Limit |
| 68584-23-6 | Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts | IARC | No |
| | | ACGIH | No Established Limit |
| 70024-69-0 | Benzenesulfonic acid, mono-C15-24-alkyl derivatives, calcium salts | IARC | No |
| | | ACGIH | No Established Limit |

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

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| 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 | --- | Not Applicable |
| STOT-single exposure | --- | Not Applicable |
| STOT-repeated exposure | --- | Not Applicable |
| Aspiration hazard | --- | Not Applicable |

Possible routes of entry:

Inhalation, ingestion, skin contact, and skin absorption.

Symptoms and effects, both acute and delayed:

No specific symptom data available.

No chronic toxicity or long term toxicity information available. Treat symptomatically.

Skin May cause an allergic skin reaction.

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 |
|---|---------------------------------|----------------------------|---------------------------------|
| Lubricating oils, petroleum, hydrotreated spent - (64742-58-1) | No data available. | No data available. | No data available. |
| Pentene, 2,4,4-trimethyl-, sulfurized - (68515-88-8) | No data available. | No data available. | No data available. |
| Distillates (petroleum), solvent refined heavy paraffinic - (64741-88-4) | No data available. | No data available. | No data available. |
| Calcium carbonate - (471-34-1) | 101.00, Oncorhynchus mykiss | 101.00, Daphnia magna | No data available. |
| Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts - (68584-23-6) | > 10,000, Cyprinodon variegatus | > 1,000, Daphnia magna | 101.00, Desmodesmus subspicatus |
| Calcium petroleum sulfonate - (61789-86-4) | No data available. | No data available. | No data available. |
| Benzenesulfonic acid, mono-C15-24-alkyl derivatives, calcium salts - (70024-69-0) | 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

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| Section 13. Disposal considerations |
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Waste treatment methods

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

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| Section 14. Transport information |
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| | TDG (Domestic Surface Transportation) | IMO / IMDG (Ocean Transportation) | ICAO/IATA |
|-------------------------------------|--|--|--|
| UN number | Not Regulated | Not Regulated | Not Regulated |
| UN proper shipping name | Not Regulated | Not Regulated | Not Regulated |
| Transport hazard class(es) | Class: Not Applicable Sub Class: Not Applicable | Class: Not Applicable Sub Class: Not Applicable | Class: Not Applicable Sub Class: Not Applicable |
| Packing group | Not Applicable | Not Applicable | Not Applicable |
| Environmental hazards | | | |
| | IMDG Marine Pollutant: No; | | |
| Special precautions for user | No available information | | |

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| Section 15. Regulatory information |
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This product has been classified in accordance with the hazard criteria Hazardous Products Regulations (SOR/2015-17 amended 2022-12-15) and the SDS contains all of the information required by those regulations.

Canadian Domestic Substance List (DSL):

- 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-ar-methyl-Amines, C12-14-alkyl, C6-10-alkyl phosphates
- Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts
- Benzenesulfonic acid, mono-C15-24-alkyl derivatives, calcium salts
- Calcium carbonate
- Calcium petroleum sulfonate
- Distillates (petroleum), solvent refined heavy paraffinic
- Distillates (petroleum), solvent-dewaxed heavy paraffinic

Lubricating oils, petroleum, hydrotreated spent
Naphthalenesulfonic acid, dinonyl-, calcium salt
Naphthalenesulfonic acid, dinonyl-, zinc salt
Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil-unspecified
Pentene, 2,4,4-trimethyl-, sulfurized
ZINC, BIS[O,O-BIS(2-ETHYLHEXYL) PHOSPHORODITHIOATO

Canadian Non-Domestic Substance List (NDSL):

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

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| Section 16. Other information |
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Revision Date 12 May, 2026

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:

H317 May cause an allergic skin reaction.

H413 May cause long lasting harmful effects to aquatic life.

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