

**Safety Data Sheet
CHEMKUT 1002****Revision Date: 12/05/2024****Section 1. Identification****Product identifier****Product Identity**

CHEMKUT 1002

Other means of identification

Not Applicable

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:

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.

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 | 45 - 70 | Not Classified | No data available |
| Distillates (petroleum), hydrotreated light naphthenic CAS Number: 64742-53-6 Synonyms: Distillates (petroleum), hydrotreated light naphthenic; Baseoil-unspecified | 10 - 30 | Not Classified | No data available |
| Sulphur containing additive CAS Number: Proprietary Synonyms: Sulphur containing additive | 7 - 13 | 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 |

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, CO₂, powder, water spray.

Unsuitable extinguishing media: Do not use; water jet.

Special hazards arising from the substance or mixture

Hazardous decomposition: Oxides of carbon and sulfur

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 |
|------------|--|--------|----------------------|
| 64742-53-6 | Distillates (petroleum), hydrotreated light naphthenic | 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 |
| 64742-58-1 | 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 |
| 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 |
| Proprietary | Sulphur containing additive | Yukon | No Established Limit |
| | | 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

Dark Brown / Black

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

> 200 °C, (Open Cleveland cup)

Auto-ignition temperature

No available information

Decomposition temperature

No available information

pH

No available information

Viscosity (cSt)

42 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

0.88

Vapor 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

Compound is incompatible with strong oxidizers.

Hazardous decomposition products

Oxides of carbon and sulfur

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 naphthenic - (64742-53-6) | > 5,000.00, Rat - Category: NA | > 5,000.00, Rabbit - Category: NA | No data available. | No data available. | No data available. |
| Sulphur containing additive - (Proprietary) | 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. |

Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|-------------|--|--------|--|
| 64742-53-6 | Distillates (petroleum), hydrotreated light naphthenic | 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 |
| Proprietary | Antiwear additive | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| | | ACGIH | No Established Limit |
| Proprietary | Sulphur containing additive | 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 | --- | 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 |
|---|-----------------------|----------------------------|--------------------|
| Lubricating oils, petroleum, hydrotreated spent - (64742-58-1) | No data available. | No data available. | No data available. |
| Distillates (petroleum), hydrotreated light naphthenic - (64742-53-6) | No data available. | No data available. | No data available. |
| Sulphur containing additive - (Proprietary) | No data available. | No data available. | No data available. |
| Antiwear additive - (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.

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

Distillates (petroleum), hydrotreated light naphthenic (UVCB)

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):

Distillates (petroleum), hydrotreated light naphthenic

Lubricating oils, petroleum, hydrotreated spent

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 12/05/2024

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.

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