



CRC® Brakleen® Brake Parts Cleaner, 160 kg

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)
Issue date: 7/31/2024 Version: 2.0

SECTION 1: Identification

1.1. Product identifier

Trade name : CRC® Brakleen® Brake Parts Cleaner, 160 kg
Product code : 1755777
Part number : 74922

1.2. Recommended use and restrictions on use

Recommended use : Brake cleaners

1.3. Supplier

Manufactured or sold by:

CRC Canada Co.
83 Galaxy Blvd.
Unit 35 - 37
Toronto, ON M9W 5X6
Canada
T 416-847-7750
crcindustries.ca

1.4. Emergency telephone number

Emergency number : 800-424-9300 (CHEMTREC)
24-Hour Emergency

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

| | |
|--|---|
| Flammable liquids Category 2 | Highly flammable liquid and vapor |
| Skin corrosion/irritation Category 2 | Causes skin irritation |
| Serious eye damage/eye irritation Category 2A | Causes serious eye irritation |
| Specific target organ toxicity – Single exposure, Category 3, Narcosis | May cause drowsiness or dizziness |
| Aspiration hazard Category 1 | May be fatal if swallowed and enters airways |
| Hazardous to the aquatic environment – Acute Hazard Category 2 | Toxic to aquatic life |
| Hazardous to the aquatic environment – Chronic Hazard Category 2 | Toxic to aquatic life with long lasting effects |
| Full text of H statements : see section 16 | |

2.2. GHS Label elements, including precautionary statements

GHS CA labeling

Hazard pictograms (GHS CA)



Signal word (GHS CA)

: Danger

Hazard statements (GHS CA)

: Highly flammable liquid and vapor
May be fatal if swallowed and enters airways
Causes skin irritation
Causes serious eye irritation
May cause drowsiness or dizziness

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Precautionary statements (GHS CA) : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take action to prevent static discharges. Use only outdoors or in a well-ventilated area. Avoid breathing mist, spray, vapors. Wear protective gloves, eye protection, face protection. Wash hands thoroughly after handling. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. In case of fire: Use alcohol resistant foam to extinguish. Store locked up. Store in a well-ventilated place. Keep cool. Dispose of contents/container in accordance with local/regional/national regulations.

2.3. Other hazards

Other hazards which do not result in classification : Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

2.4. Unknown acute toxicity (GHS CA)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Chemical name / Synonyms | Product identifier | % |
|---|--|---------------------|-----------|
| Acetone | Acetone | CAS-No.: 67-64-1 | 80 - 100* |
| Distillates (petroleum), light distillate hydrotreating process, low-boiling, Low boiling point hydrogen treated naphtha, [A complex combination of hydrocarbons obtained by the distillation of products from the light distillate hydrotreating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C9 and boiling in the range of approximately 3°C to 194°C (37°F to 382°F).] | Distillates (petroleum), light distillate hydrotreating process, low-boiling | CAS-No.: 68410-97-9 | 7 - 13* |
| Naphtha (petroleum), hydrotreated light | Naphtha (petroleum), hydrotreated light | CAS-No.: 64742-49-0 | 7 - 13* |
| n-Heptane ; Heptane | n-Heptane ; Heptane | CAS-No.: 142-82-5 | 3 - 7* |
| Solvent naphtha (petroleum), light aliph. | Solvent naphtha (petroleum), light aliph. | CAS-No.: 64742-89-8 | 1 - 5* |
| n-hexane | n-Hexane ; Hexane | CAS-No.: 110-54-3 | 0.1 - 1* |

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*Contains fixed concentration

Comments : The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: First-aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Call a physician immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. |
| First-aid measures general | : Call a physician immediately. |

4.2. Most important symptoms and effects (acute and delayed)

| | |
|-------------------------------------|--------------------------------------|
| Symptoms/effects after inhalation | : May cause drowsiness or dizziness. |
| Symptoms/effects after skin contact | : Irritation. |
| Symptoms/effects after eye contact | : Eye irritation. |
| Symptoms/effects after ingestion | : Risk of lung edema. |

4.3. Immediate medical attention and special treatment, if necessary

| | |
|-----------------------------------|--------------------------|
| Other medical advice or treatment | : Treat symptomatically. |
|-----------------------------------|--------------------------|

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

| | |
|------------------------------|--|
| Suitable extinguishing media | : Water spray. Dry powder. Carbon dioxide. Alcohol resistant foam. |
|------------------------------|--|

5.2. Unsuitable extinguishing media

| | |
|--------------------------------|------------------------------------|
| Unsuitable extinguishing media | : Do not use a heavy water stream. |
|--------------------------------|------------------------------------|

5.3. Specific hazards arising from the hazardous product

| | |
|--|--|
| Fire hazard | : Highly flammable liquid and vapor. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. |
| Explosion hazard | : No direct explosion hazard. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

5.4. Special protective equipment and precautions for fire-fighters

| | |
|--------------------------------|---|
| Firefighting instructions | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------|---|
| General measures | : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage. |
|------------------|---|

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6.2. Methods and materials for containment and cleaning up

- For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Take up liquid spill into absorbent material. Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination. Notify authorities if product enters sewers or public waters.
- Other information : Dispose of in accordance with relevant local regulations.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Flammable vapors may accumulate in the container. Take precautionary measures against static discharge. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Use only outdoors or in a well-ventilated area. Avoid breathing mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep in a cool, well-ventilated place away from heat. Ground/bond container and receiving equipment.
- Storage conditions : Store locked up. Keep cool. Store in a well-ventilated place. Keep container tightly closed.
- Packaging materials : Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Acetone (67-64-1) | |
|---|-----------------------------|
| Canada (Alberta) - Occupational Exposure Limits | |
| Local name | Acetone |
| OEL TWA | 1200 mg/m ³ |
| | 500 ppm |
| OEL STEL | 1800 mg/m ³ |
| | 750 ppm |
| Regulatory reference | Alberta Regulation 191/2021 |
| Canada (Quebec) - Occupational Exposure Limits | |
| Local name | Acetone |
| VECD (OEL STEV) | 500 ppm |
| VEMP (OEL TWA-EV) | 250 ppm |

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| Acetone (67-64-1) | |
|---|--|
| Regulatory reference | S-2.1, r. 13 - Regulation respecting occupational health and safety |
| Canada (British Columbia) - Occupational Exposure Limits | |
| Local name | Acetone |
| OEL TWA | 250 ppm |
| OEL STEL | 500 ppm |
| Regulatory reference | OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC) |
| Canada (Manitoba) - Occupational Exposure Limits | |
| Local name | Acetone |
| OEL TWA | 250 ppm |
| OEL STEL | 500 ppm |
| Notations and remarks | TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI |
| Regulatory reference | ACGIH 2024 |
| Canada (New Brunswick) - Occupational Exposure Limits | |
| Local name | Acetone |
| OEL TWA | 250 ppm |
| OEL STEL | 500 ppm |
| Notations and remarks | eye irr; CNS impair; BEI |
| Canada (Newfoundland and Labrador) - Occupational Exposure Limits | |
| Local name | Acetone |
| OEL TWA | 250 ppm |
| OEL STEL | 500 ppm |
| Notations and remarks | TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI |
| Regulatory reference | ACGIH 2024 |
| Canada (Nova Scotia) - Occupational Exposure Limits | |
| Local name | Acetone |
| OEL TWA | 250 ppm |
| OEL STEL | 500 ppm |
| Notations and remarks | TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI |
| Regulatory reference | ACGIH 2024 |
| Canada (Nunavut) - Occupational Exposure Limits | |
| Local name | Acetone |
| OEL TWA | 500 ppm |
| OEL STEL | 750 ppm |
| Regulatory reference | Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021) |

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| Acetone (67-64-1) | |
|---|---|
| Canada (Northwest Territories) - Occupational Exposure Limits | |
| Local name | Acetone |
| OEL TWA | 500 ppm |
| OEL STEL | 750 ppm |
| Regulatory reference | Occupation Health and Safety Regulations R-039-2015 (R-013-2020) |
| Canada (Ontario) - Occupational Exposure Limits | |
| Local name | Acetone |
| OEL TWA _{EV} | 250 ppm |
| | 500 ppm |
| Regulatory reference | Ontario Occupational Exposure Limits under Regulation 833 |
| Canada (Prince Edward Island) - Occupational Exposure Limits | |
| Local name | Acetone |
| OEL TWA | 250 ppm |
| OEL STEL | 500 ppm |
| Notations and remarks | TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI |
| Regulatory reference | ACGIH 2024 |
| Canada (Saskatchewan) - Occupational Exposure Limits | |
| Local name | Acetone |
| OEL TWA | 500 ppm |
| OEL STEL | 750 ppm |
| Regulatory reference | The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10 |
| Naphtha (petroleum), hydrotreated light (64742-49-0) | |
| Canada (Manitoba) - Occupational Exposure Limits | |
| Local name | Hexane (Commercial, <54% n-hexane) |
| OEL TWA | 100 ppm |
| Notations and remarks | TLV® Basis: Periph neuropathy. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| Regulatory reference | ACGIH 2024 |
| Canada (Newfoundland and Labrador) - Occupational Exposure Limits | |
| Local name | Hexane (Commercial, <54% n-hexane) |
| OEL TWA | 100 ppm |
| Notations and remarks | TLV® Basis: Periph neuropathy. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| Regulatory reference | ACGIH 2024 |
| Canada (Nova Scotia) - Occupational Exposure Limits | |
| Local name | Hexane (Commercial, <54% n-hexane) |

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| Naphtha (petroleum), hydrotreated light (64742-49-0) | |
|--|---|
| OEL TWA | 100 ppm |
| Notations and remarks | TLV® Basis: Periph neuropathy. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| Regulatory reference | ACGIH 2024 |
| Canada (Prince Edward Island) - Occupational Exposure Limits | |
| Local name | Hexane (Commercial, <54% n-hexane) |
| OEL TWA | 100 ppm |
| Notations and remarks | TLV® Basis: Periph neuropathy. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| Regulatory reference | ACGIH 2024 |
| n-Heptane ; Heptane (142-82-5) | |
| Canada (Alberta) - Occupational Exposure Limits | |
| Local name | Heptane, all isomers |
| OEL TWA | 1640 mg/m³ |
| | 400 ppm |
| OEL STEL | 2050 mg/m³ |
| | 500 ppm |
| Regulatory reference | Alberta Regulation 191/2021 |
| Canada (Quebec) - Occupational Exposure Limits | |
| Local name | Heptane (all isomers) - n-Heptane |
| VECD (OEL STEV) | 500 ppm |
| VEMP (OEL TWA EV) | 400 ppm |
| Regulatory reference | S-2.1, r. 13 - Regulation respecting occupational health and safety |
| Canada (British Columbia) - Occupational Exposure Limits | |
| Local name | Heptane, Isomers |
| OEL TWA | 400 ppm |
| OEL STEL | 500 ppm |
| Regulatory reference | OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC) |
| Canada (Manitoba) - Occupational Exposure Limits | |
| Local name | Heptane, isomers (n-Heptane) |
| OEL TWA | 400 ppm |
| OEL STEL | 500 ppm |
| Notations and remarks | TLV® Basis: CNS impair; URT irr |
| Regulatory reference | ACGIH 2024 |
| Canada (New Brunswick) - Occupational Exposure Limits | |
| Local name | Heptane, all isomers |

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| n-Heptane ; Heptane (142-82-5) | |
|--|--|
| OEL TWA | 400 ppm |
| Canada (Newfoundland and Labrador) - Occupational Exposure Limits | |
| Local name | Heptane, isomers (n-Heptane) |
| OEL TWA | 400 ppm |
| OEL STEL | 500 ppm |
| Notations and remarks | TLV® Basis: CNS impair; URT irr |
| Regulatory reference | ACGIH 2024 |
| Canada (Nova Scotia) - Occupational Exposure Limits | |
| Local name | Heptane, isomers (n-Heptane) |
| OEL TWA | 400 ppm |
| OEL STEL | 500 ppm |
| Notations and remarks | TLV® Basis: CNS impair; URT irr |
| Regulatory reference | ACGIH 2024 |
| Canada (Nunavut) - Occupational Exposure Limits | |
| Local name | Heptane (n-Heptane) |
| OEL TWA | 400 ppm |
| OEL STEL | 500 ppm |
| Regulatory reference | Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021) |
| Canada (Northwest Territories) - Occupational Exposure Limits | |
| Local name | Heptane (n-Heptane) |
| OEL TWA | 400 ppm |
| OEL STEL | 500 ppm |
| Regulatory reference | Occupation Health and Safety Regulations R-039-2015 (R-013-2020) |
| Canada (Ontario) - Occupational Exposure Limits | |
| Local name | Heptane, All isomers |
| OEL TWAEV | 400 ppm |
| | 500 ppm |
| Regulatory reference | Ontario Occuational Exposure Limits under Regulation 833 |
| Canada (Prince Edward Island) - Occupational Exposure Limits | |
| Local name | Heptane, isomers (n-Heptane) |
| OEL TWA | 400 ppm |
| OEL STEL | 500 ppm |
| Notations and remarks | TLV® Basis: CNS impair; URT irr |
| Regulatory reference | ACGIH 2024 |
| Canada (Saskatchewan) - Occupational Exposure Limits | |
| Local name | Heptane (n-Heptane) |

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| n-Heptane ; Heptane (142-82-5) | |
|---|--|
| OEL TWA | 400 ppm |
| OEL STEL | 500 ppm |
| Regulatory reference | The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10 |
| n-hexane (110-54-3) | |
| Canada (Alberta) - Occupational Exposure Limits | |
| Local name | n-Hexane |
| OEL TWA | 176 mg/m ³ |
| | 50 ppm |
| Notations and remarks | Substance may be readily absorbed through intact skin. |
| Regulatory reference | Alberta Regulation 191/2021 |
| Canada (Quebec) - Occupational Exposure Limits | |
| Local name | n-Hexane |
| VEMP (OEL TWAEV) | 176 mg/m ³ |
| | 50 ppm |
| Notations and remarks | Pc |
| Regulatory reference | S-2.1, r. 13 - Regulation respecting occupational health and safety |
| Canada (British Columbia) - Occupational Exposure Limits | |
| Local name | n-Hexane |
| OEL TWA | 20 ppm |
| Notations and remarks | Skin |
| Regulatory reference | OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC) |
| Canada (Manitoba) - Occupational Exposure Limits | |
| Local name | n-Hexane |
| OEL TWA | 50 ppm |
| Notations and remarks | TLV® Basis: CNS impair; peripheral neuropathy; eye irr. Notations: Skin; BEI |
| Regulatory reference | ACGIH 2024 |
| Canada (Newfoundland and Labrador) - Occupational Exposure Limits | |
| Local name | n-Hexane |
| OEL TWA | 50 ppm |
| Notations and remarks | TLV® Basis: CNS impair; peripheral neuropathy; eye irr. Notations: Skin; BEI |
| Regulatory reference | ACGIH 2024 |
| Canada (Nova Scotia) - Occupational Exposure Limits | |
| Local name | n-Hexane |
| OEL TWA | 50 ppm |
| Notations and remarks | TLV® Basis: CNS impair; peripheral neuropathy; eye irr. Notations: Skin; BEI |
| Regulatory reference | ACGIH 2024 |

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| n-hexane (110-54-3) | |
|---|---|
| Canada (Northwest Territories) - Occupational Exposure Limits | |
| Local name | Hexane (n-Hexane) |
| OEL TWA | 50 ppm |
| OEL STEL | 62.5 ppm |
| Notations and remarks | Skin |
| Regulatory reference | Occupation Health and Safety Regulations R-039-2015 (R-013-2020) |
| Canada (Ontario) - Occupational Exposure Limits | |
| Local name | n-Hexane |
| OEL TWAEV | 50 ppm |
| Notations and remarks | Skin |
| Regulatory reference | Ontario Occupational Exposure Limits under Regulation 833 |
| Canada (Prince Edward Island) - Occupational Exposure Limits | |
| Local name | n-Hexane |
| OEL TWA | 50 ppm |
| Notations and remarks | TLV® Basis: CNS impair; peripheral neuropathy; eye irr. Notations: Skin; BEI |
| Regulatory reference | ACGIH 2024 |
| Canada (Saskatchewan) - Occupational Exposure Limits | |
| Local name | Hexane (n-Hexane) |
| OEL TWA | 50 ppm |
| OEL STEL | 62.5 ppm |
| Notations and remarks | Skin |
| Regulatory reference | The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10 |
| Solvent naphtha (petroleum), light aliph. (64742-89-8) | |
| Canada (Manitoba) - Occupational Exposure Limits | |
| Local name | Hexane (Commercial, <54% n-hexane) |
| OEL TWA | 100 ppm |
| Notations and remarks | TLV® Basis: Periph neuropathy. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| Regulatory reference | ACGIH 2024 |
| Canada (Newfoundland and Labrador) - Occupational Exposure Limits | |
| Local name | Hexane (Commercial, <54% n-hexane) |
| OEL TWA | 100 ppm |
| Notations and remarks | TLV® Basis: Periph neuropathy. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| Regulatory reference | ACGIH 2024 |

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Solvent naphtha (petroleum), light aliph. (64742-89-8)

Canada (Nova Scotia) - Occupational Exposure Limits

| | |
|-----------------------|---|
| Local name | Hexane (Commercial, <54% n-hexane) |
| OEL TWA | 100 ppm |
| Notations and remarks | TLV® Basis: Periph neuropathy. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| Regulatory reference | ACGIH 2024 |

Canada (Prince Edward Island) - Occupational Exposure Limits

| | |
|-----------------------|---|
| Local name | Hexane (Commercial, <54% n-hexane) |
| OEL TWA | 100 ppm |
| Notations and remarks | TLV® Basis: Periph neuropathy. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| Regulatory reference | ACGIH 2024 |

8.2. Appropriate engineering controls

| | |
|----------------------------------|--|
| Appropriate engineering controls | : Ensure good ventilation of the work station. |
| Environmental exposure controls | : Avoid release to the environment. |

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Neoprene or nitrile rubber gloves. Vinyl polyalcohol protective gloves. Butyl-rubber protective gloves

Eye protection:

Safety glasses with side shields

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|----------------|---------------------|
| Physical state | : Liquid |
| Color | : Colorless |
| Odor | : characteristic |
| Melting point | : No data available |
| Freezing point | : No data available |

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| | |
|---|---------------------|
| Boiling point | : 56 °C estimated |
| Flammability (solid, gas) | : Not applicable |
| Explosion limits | : No data available |
| Flash point | : -18 °C estimated |
| Auto-ignition temperature | : 465 °C estimated |
| Decomposition temperature | : No data available |
| pH | : No data available |
| Viscosity, kinematic | : No data available |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Vapor pressure | : No data available |
| Density | : No data available |
| Relative density | : No data available |
| Relative vapor density at 20°C | : No data available |
| Particle characteristics | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

| | |
|------------------------------------|--|
| Reactivity | : Highly flammable liquid and vapor. |
| Chemical stability | : Stable under normal conditions. |
| Possibility of hazardous reactions | : No dangerous reactions known under normal conditions of use. |
| Conditions to avoid | : Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. |
| Incompatible materials | : Strong oxidizing agents. |
| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|------------------|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

Distillates (petroleum), light distillate hydrotreating process, low-boiling, Low boiling point hydrogen treated naphtha, [A complex combination of hydrocarbons obtained by the distillation of products from the light distillate hydrotreating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C9 and boiling in the range of approximately 3°C to 194°C (37°F to 382°F).] (68410-97-9)

| | |
|---------------|---|
| LD50 oral rat | > 5000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
|---------------|---|

Acetone (67-64-1)

| | |
|-----------------------------------|--|
| LD50 oral rat | 5800 mg/kg Source: ECHA |
| LD50 oral | 5800 mg/kg body weight |
| LD50 dermal rabbit | > 7400 mg/kg Source: ECHA |
| LD50 dermal | > 15688 mg/kg body weight |
| LC50 Inhalation - Rat | 76 mg/l air Animal: rat, Animal sex: female, 95% CL: 65,2 - 88,4 |
| LC50 Inhalation - Rat (Dust/Mist) | 50100 mg/l |
| LC50 Inhalation - Rat (Vapours) | 76 mg/l Source: ECHA |

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| Naphtha (petroleum), hydrotreated light (64742-49-0) | |
|--|---|
| LD50 oral rat | > 5000 mg/kg Source: IUCLID |
| LD50 oral | > 5840 mg/kg body weight |
| LD50 dermal rat | 2800 – 3100 mg/kg body weight Animal: rat |
| LD50 dermal rabbit | > 3160 mg/kg Source: IUCLID |
| LD50 dermal | > 2920 mg/kg body weight |
| LC50 Inhalation - Rat | > 23.3 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity) |
| LC50 Inhalation - Rat [ppm] | 73680 ppm Source: IUCLID |
| LC50 Inhalation - Rat (Dust/Mist) | > 23300 mg/l |
| n-Heptane ; Heptane (142-82-5) | |
| LD50 oral rat | > 5000 mg/kg Source: ECHA |
| LD50 oral | > 15000 mg/kg body weight |
| LD50 dermal rabbit | > 2000 mg/kg Source: ECHA |
| LD50 dermal | > 2000 mg/kg body weight |
| LC50 Inhalation - Rat (Dust/Mist) | > 29290 mg/l |
| n-hexane (110-54-3) | |
| LD50 oral rat | 24 ml/kg Source: ECHA |
| LD50 oral | > 16000 mg/kg body weight |
| LD50 dermal rabbit | > 3350 mg/kg Source: ECHA |
| LD50 dermal | > 2000 mg/kg body weight |
| LC50 Inhalation - Rat (Dust/Mist) | > 17600 mg/l |
| LC50 Inhalation - Rat (Vapours) | 259.354 mg/l Source: ECHA |
| Solvent naphtha (petroleum), light aliph. (64742-89-8) | |
| LD50 oral rat | > 5000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| Skin corrosion/irritation | : Causes skin irritation. |
| Acetone (67-64-1) | |
| pH | 5 Source: ECHA |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Acetone (67-64-1) | |
| pH | 5 Source: ECHA |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified. |
| Carcinogenicity | : Not classified. |
| Reproductive toxicity | : Reproductive toxicity: Not classified. |
| Acetone | |
| LOAEL (animal/female, F0/P) | 11298 mg/kg body weight Animal: mouse, Animal sex: female |
| NOAEL (animal/male, F0/P) | 900 mg/kg body weight Animal: rat, Animal sex: male |
| STOT-single exposure | : May cause drowsiness or dizziness. |

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STOT-repeated exposure : Not classified

| Naphtha (petroleum), hydrotreated light (64742-49-0) | |
|--|--|
| LOAEC (inhalation, rat, vapor, 90 days) | 16.6 mg/l air Animal: rat, Animal sex: male |
| NOAEC (inhalation, rat, vapor, 90 days) | 3.3 mg/l air Animal: rat, Animal sex: male |
| n-Heptane ; Heptane (142-82-5) | |
| LOAEC (inhalation, rat, vapor, 90 days) | 16.6 mg/l air Animal: rat, Animal sex: male |
| NOAEC (inhalation, rat, vapor, 90 days) | 3.3 mg/l air Animal: rat, Animal sex: male |
| n-hexane (110-54-3) | |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |

Aspiration hazard : May be fatal if swallowed and enters airways.

| Distillates (petroleum), light distillate hydrotreating process, low-boiling, Low boiling point hydrogen treated naphtha, [A complex combination of hydrocarbons obtained by the distillation of products from the light distillate hydrotreating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C9 and boiling in the range of approximately 3°C to 194°C (37°F to 382°F).] (68410-97-9) | |
|--|---|
| Viscosity, kinematic | < 1 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)' |
| Naphtha (petroleum), hydrotreated light (64742-49-0) | |
| Viscosity, kinematic | 0.67 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)' |
| n-Heptane ; Heptane (142-82-5) | |
| Viscosity, kinematic | 0.641 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)' |
| Solvent naphtha (petroleum), light aliph. (64742-89-8) | |
| Viscosity, kinematic | < 1 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)' |
| Symptoms/effects after inhalation | : May cause drowsiness or dizziness. |
| Symptoms/effects after skin contact | : Irritation. |
| Symptoms/effects after eye contact | : Eye irritation. |
| Symptoms/effects after ingestion | : Risk of lung edema. |

SECTION 12: Ecological information

12.1. Toxicity

| Distillates (petroleum), light distillate hydrotreating process, low-boiling, Low boiling point hydrogen treated naphtha, [A complex combination of hydrocarbons obtained by the distillation of products from the light distillate hydrotreating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C9 and boiling in the range of approximately 3°C to 194°C (37°F to 382°F).] (68410-97-9) | |
|--|--|
| LC50 - Fish [1] | 0.854 mg/l Source: Ecological Structure Activity Relationships |
| EC50 96h - Algae [1] | 1.323 mg/l Source: Ecological Structure Activity Relationships |
| Acetone (67-64-1) | |
| LC50 - Fish [1] | 5540 mg/l Source: ECHA |
| EC50 - Other aquatic organisms [1] | 12600 mg/l waterflea |
| EC50 - Other aquatic organisms [2] | 3400 mg/l |
| NOEC (chronic) | ≥ 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |

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| | |
|---|--|
| Acetone (67-64-1) | |
| LOEC (chronic) | > 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| Naphtha (petroleum), hydrotreated light (64742-49-0) | |
| LC50 - Fish [1] | > 3 mg/l |
| LC50 - Other aquatic organisms [1] | 2.6 mg/l Source: IUCLID |
| EC50 - Other aquatic organisms [1] | 4.6 mg/l waterflea |
| EC50 - Other aquatic organisms [2] | 10 mg/l |
| NOEC (chronic) | 0.17 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| LOEC (chronic) | 0.32 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| n-Heptane ; Heptane (142-82-5) | |
| LC50 - Fish [1] | 5.738 mg/l Source: QSAR |
| EC50 - Crustacea [1] | 1.5 mg/l |
| EC50 - Other aquatic organisms [1] | 1.5 mg/l waterflea |
| NOEC (chronic) | 0.17 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| LOEC (chronic) | 0.32 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| n-hexane (110-54-3) | |
| LC50 - Fish [1] | > 1 mg/l Source: ECHA |
| EC50 - Other aquatic organisms [1] | 50 mg/l waterflea |
| Solvent naphtha (petroleum), light aliph. (64742-89-8) | |
| EC50 72h - Algae [1] | 6.5 mg/l Source: IUCLID |

12.2. Persistence and degradability

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| | |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

12.3. Bioaccumulative potential

| | |
|---|------------------------|
| Acetone (67-64-1) | |
| Partition coefficient n-octanol/water (Log Pow) | -0.24 Source: ICSC |
| Naphtha (petroleum), hydrotreated light (64742-49-0) | |
| Partition coefficient n-octanol/water (Log Pow) | 2.1 – 6 Source: IUCLID |
| n-Heptane ; Heptane (142-82-5) | |
| Partition coefficient n-octanol/water (Log Pow) | 4.66 Source: ICSC |
| n-hexane (110-54-3) | |
| Partition coefficient n-octanol/water (Log Pow) | 3.9 Source: ICSC |
| Solvent naphtha (petroleum), light aliph. (64742-89-8) | |
| Partition coefficient n-octanol/water (Log Pow) | 2.1 – 6 Source: IUCLID |

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according to the Hazardous Products Regulation (WHMIS 2015)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified




SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.
Additional information : Flammable vapors may accumulate in the container. Do not re-use empty containers.

SECTION 14: Transport information

In accordance with TDG / IMDG / IATA

| TDG | IMDG | IATA |
|---|---|---|
| 14.1. UN number | | |
| UN1993 | 1993 | 1993 |
| 14.2. Proper Shipping Name | | |
| FLAMMABLE LIQUID, N.O.S. (ACETONE, HEPTANES) | FLAMMABLE LIQUID, N.O.S. (ACETONE, HEPTANES) | Flammable liquid, n.o.s. (Acetone, Heptanes) |
| 14.3. Transport hazard class(es) | | |
| 3 | 3 | 3 |
|  |  |  |
| 14.4. Packing group | | |
| II | II | II |
| 14.5. Environmental hazards | | |
| Dangerous for the environment: Yes | Dangerous for the environment: Yes Marine pollutant: Yes | Dangerous for the environment: Yes |
| No supplementary information available | | |

14.6. Special precautions for user

TDG

UN-No. (TDG) : UN1993

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| | |
|---|---|
| TDG Special Provisions | : 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the danger or dangers posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name: (a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; (b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; (c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S; (d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or (e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S. (3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment: (a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS, 150 - An approved ERAP is required for the dangerous goods referred to in paragraph 7.2(1)(f) of Part 7 (Emergency Response Assistance Plan). |
| Explosive Limit and Limited Quantity Index | : 1 L |
| Excepted quantities (TDG) | : E2 |
| Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index | : 5 L |
| Emergency Response Guide (ERG) Number | : 128 |

IMDG

| | |
|---------------------------------|---|
| Special provision (IMDG) | : 274 |
| Limited quantities (IMDG) | : 1 L |
| Excepted quantities (IMDG) | : E2 |
| Packing instructions (IMDG) | : P001 |
| IBC packing instructions (IMDG) | : IBC02 |
| Tank instructions (IMDG) | : T7 |
| Tank special provisions (IMDG) | : TP1, TP28, TP8 |
| EmS-No. (Fire) | : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS |
| EmS-No. (Spillage) | : S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER |
| Stowage category (IMDG) | : B |

IATA

| | |
|--|--------|
| PCA Excepted quantities (IATA) | : E2 |
| PCA Limited quantities (IATA) | : Y341 |
| PCA limited quantity max net quantity (IATA) | : 1L |
| PCA packing instructions (IATA) | : 353 |
| PCA max net quantity (IATA) | : 5L |
| CAO packing instructions (IATA) | : 364 |
| CAO max net quantity (IATA) | : 60L |
| Special provision (IATA) | : A3 |
| ERG code (IATA) | : 3H |

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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SECTION 15: Regulatory information

15.1. National regulations

Distillates (petroleum), light distillate hydrotreating process, low-boiling, Low boiling point hydrogen treated naphtha, [A complex combination of hydrocarbons obtained by the distillation of products from the light distillate hydrotreating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C9 and boiling in the range of approximately 3°C to 194°C (37°F to 382°F).] (68410-97-9)

Listed on the Canadian DSL (Domestic Substances List)

Acetone (67-64-1)

Listed on the Canadian DSL (Domestic Substances List)

Naphtha (petroleum), hydrotreated light (64742-49-0)

Listed on the Canadian DSL (Domestic Substances List)

n-Heptane ; Heptane (142-82-5)

Listed on the Canadian DSL (Domestic Substances List)

n-hexane (110-54-3)

Listed on the Canadian DSL (Domestic Substances List)

Solvent naphtha (petroleum), light aliph. (64742-89-8)

Listed on the Canadian DSL (Domestic Substances List)

15.2. Other Regulatory Information

Volatile Organic Compound Concentration Limits for Certain Products Regulations: SOR/2021-268

| | |
|------------------|--------------------------|
| VOC content | 9.2 % |
| Product Category | Automotive brake cleaner |

SECTION 16: Other information

Issue date : 07/31/2024

Other information : CRC # 920B/1002914.

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Safety Data Sheet (SDS), Canada, CRC

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