

SECTION 1 Identification

1.1. GHS Product identifier

| | |
|--------------|---------------------------------------|
| Product form | : Mixture |
| Product name | : Cal-Blast II Condenser Coil Cleaner |
| Product code | : 4132-21 |
| Vaporizer | : Aerosol |

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

| | |
|-----------------|----------------|
| Recommended use | : Coil Cleaner |
|-----------------|----------------|

1.4. Supplier's details

Nu-Calgon
2611 Schuetz Road
St. Louis, MO
63043
US
T 314-469-7000 / 800-554-5499
www.nucalgon.com

1.5. Emergency phone number

| | |
|------------------|-----------------------------|
| Emergency number | : 1-800-424-9300 (CHEMTREC) |
|------------------|-----------------------------|

SECTION 2 Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA/US)

| | |
|--|--|
| Aerosol, Category 1 | Extremely flammable aerosol. Pressurized container; may burst if heated. |
| Skin corrosion/irritation, Category 2 | Causes skin irritation. |
| Serious eye damage/eye irritation, Category 2A | Causes serious eye irritation. |
| Skin sensitization, Category 1B | May cause an allergic skin reaction. |
| 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. |

2.2. GHS label elements, including precautionary statements

GHS CA/US labeling

Hazard pictograms (GHS CA/US)



Signal word (GHS CA/US)

: Danger

Hazard statements (GHS CA/US)

: Extremely flammable aerosol
Pressurized container; may burst if heated
May be fatal if swallowed and enters airways
Causes skin irritation
May cause an allergic skin reaction

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Precautionary statements (GHS CA/US)

Causes serious eye irritation
May cause drowsiness or dizziness
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Avoid breathing spray.
Wash hands, forearms and face thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.
IF SWALLOWED: Immediately call a POISON CENTER or a doctor.
Do NOT induce vomiting.
IF ON SKIN: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice or attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER or a 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 or attention.
Specific treatment (see supplemental first aid instruction on this label).
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Dispose of contents and container to a hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

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, propan-2-one, propanone Dimethyl ketone / 2-Propanone / ACETONE / Propan-2-one / Propanone | CAS-No.: 67-64-1 | 80 - 100 |
| n-Heptane | heptane, n-heptane Heptane (n-) / Heptane / Normal heptane / Heptane, n- / HEPTANE | CAS-No.: 142-82-5 | 7 - 13 |

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| Name | Chemical name / Synonyms | Product identifier | % |
|------------|--|--------------------|-----------|
| D-Limonene | (R)-p-mentha-1,8-diene, d-limonene Cyclohexene, 1-methyl-4-(1-methylethethyl)-, (4R)- / Cyclohexene, 1-methyl-4-(1-methylethethyl)-, (R)- / (R)-p-Mentha-1,8-diene / p-Mentha-1,8-diene, (R)-(+)- / Limonene, D- / Mentha-1,8-diene, 1,8(9)-p- / d-Limonene / Limonene, d- / (4R)-1-Methyl-4-(1-methylethethyl)cyclohexene / (4R)-p-Mentha-1,8-diene / 1-Methyl-4-prop-1-en-2-yl-cyclohexene / (R)-1-Methyl-4-(1-methylethethyl)cyclohexene / d-LIMONENE / (R)-1-Methyl-4-(1-methylethethyl)cyclohex-1-ene / (R)-4-Isopropenyl-1-methylcyclohex-1-ene / Limonene / Limonene, (+)- | CAS-No.: 5989-27-5 | 0.5 - 1.5 |

Comments

: CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with the amended HPR as of December 2022.
US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

| | |
|---------------------------------------|---|
| First-aid measures after inhalation | : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. |
| First-aid measures after skin contact | : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical help. |
| First-aid measures after eye contact | : 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 and attention. |
| First-aid measures after ingestion | : IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. If vomiting occurs have person lean forward. Never give anything by mouth to an unconscious person. |
| First-aid measures general | : If you feel unwell, seek medical advice (show the label where possible). Medical personnel should be made aware of substance(s) involved and take measures for self protection. Show this safety data sheet to the doctor in attendance. Avoid contact with skin and eyes. Keep out of the reach of children. |

4.2. Most important symptoms/effects, acute and delayed

| | |
|-------------------------------------|--|
| Symptoms/effects after inhalation | : Prolonged inhalation may be harmful. May cause drowsiness or dizziness. |
| Symptoms/effects after skin contact | : Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. |
| Symptoms/effects after ingestion | : May be fatal if swallowed and enters airways. Aspiration of the product into the lungs may cause very serious pneumonia. May cause stomach distress, nausea or vomiting. |

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4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Symptoms may be delayed. Treat symptomatically.

SECTION 5 Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Dry chemical powder. Carbon dioxide. Small fires: Sand.
Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

5.2. Specific hazards arising from the chemical

Fire hazard : Extremely flammable aerosol. During fire, gases hazardous to health may be formed. In case of fire or explosion do not breathe fumes.
Explosion hazard : Pressurized container: may burst if heated. No direct explosion hazard.
Hazardous decomposition products in case of fire : May include and are not limited to: oxides of carbon.

5.3. Special protective actions for fire-fighters

Firefighting instructions : In case of fire: Stop leak if safe to do so. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk. Use water spray or fog for cooling exposed containers.
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 : In the event of a significant spillage : Notify authorities if product enters sewers or public waters. Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

Environmental precautions : Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

For containment : Stop leaks if it can be done without personal risk. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up : Pick up spilled material and collect it in a suitable container for disposal. Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Clean contaminated surfaces with an excess of water.
Other information : This material and its container must be disposed of in a safe way, and as per local legislation.

For further information refer to section 13

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. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Avoid breathing spray. Do not taste or swallow. Wear personal protective equipment. Handle and open container with care.

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Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Take off contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of reach of children. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a well-ventilated place. Store this product upright in a cool, dry area, away from direct sunlight and heat. Store away from incompatible materials (see Section 10 of the SDS). Store locked up.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

| Acetone (67-64-1) | |
|--|--|
| Canada (Alberta) - Occupational Exposure Limits | |
| 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 | |
| VECD (OEL STEV) | 2380 mg/m ³ 1000 ppm |
| VEMP (OEL TWAEV) | 1190 mg/m ³ 500 ppm |
| Regulatory reference | S-2.1, r. 13 - Regulation respecting occupational health and safety |
| Canada (British Columbia) - Occupational Exposure Limits | |
| 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 | |
| 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 2025 |
| Canada (New Brunswick) - Occupational Exposure Limits | |
| OEL TWA | 250 ppm |
| OEL STEL | 500 ppm |
| Notations and remarks | eye irr; CNS impair; BEI |
| Canada (Newfoundland and Labrador) - Occupational Exposure Limits | |
| OEL TWA | 250 ppm |

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| Acetone (67-64-1) | |
|--|--|
| 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 2025 |
| Canada (Nova Scotia) - Occupational Exposure Limits | |
| 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 2025 |
| Canada (Nunavut) - Occupational Exposure Limits | |
| OEL TWA | 500 ppm |
| OEL STEL | 750 ppm |
| Regulatory reference | Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021) |
| Canada (Northwest Territories) - Occupational Exposure Limits | |
| OEL TWA | 500 ppm |
| OEL STEL | 750 ppm |
| Regulatory reference | Occupation Health and Safety Regulations R-039-2015 (R-090-2024) |
| Canada (Ontario) - Occupational Exposure Limits | |
| OEL TWAEV | 250 ppm |
| | 500 ppm |
| Regulatory reference | Ontario Occupational Exposure Limits under Regulation 833 |
| Canada (Prince Edward Island) - Occupational Exposure Limits | |
| 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 2025 |
| Canada (Saskatchewan) - Occupational Exposure Limits | |
| OEL TWA | 500 ppm |
| OEL STEL | 750 ppm |
| Regulatory reference | The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10 |
| Canada (Yukon) - Occupational Exposure Limits | |
| OEL TWA | 2400 mg/m ³ |
| | 1000 ppm |
| OEL STEL | 3000 mg/m ³ |
| | 1250 ppm |

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| Acetone (67-64-1) | |
|---|--|
| USA - ACGIH - Occupational Exposure Limits | |
| ACGIH OEL TWA | 250 ppm |
| ACGIH OEL STEL | 500 ppm |
| Remark (ACGIH) | TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI |
| ACGIH chemical category | Not Classifiable as a Human Carcinogen |
| Regulatory reference | ACGIH 2025 |
| USA - ACGIH - Biological Exposure Indices | |
| Local name | Acetone |
| BEI | 25 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift (nonspecific) |
| Regulatory reference | ACGIH 2025 |
| USA - OSHA - Occupational Exposure Limits | |
| OSHA PEL TWA | 2400 mg/m ³ |
| | 1000 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| n-Heptane (142-82-5) | |
| Canada (Alberta) - Occupational Exposure Limits | |
| OEL TWA | 1640 mg/m ³ |
| | 400 ppm |
| OEL STEL | 2050 mg/m ³ |
| | 500 ppm |
| Regulatory reference | Alberta Regulation 191/2021 |
| Canada (Quebec) - Occupational Exposure Limits | |
| VECD (OEL STEV) | 500 ppm |
| VEMP (OEL TWAEV) | 400 ppm |
| Regulatory reference | S-2.1, r. 13 - Regulation respecting occupational health and safety |
| Canada (British Columbia) - Occupational Exposure Limits | |
| 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 | |
| OEL TWA | 200 ppm |
| OEL STEL | 400 ppm |
| Notations and remarks | TLV® Basis: URT irr; Lung dam; CNS impair; Ototoxicity. Notations: OTO (Ototoxicant) |
| Regulatory reference | ACGIH 2025 |
| Canada (New Brunswick) - Occupational Exposure Limits | |
| OEL TWA | 400 ppm |

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According to SOR/2015-17, Hazardous Products Regulations (HPR) (amended 2022) & According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS) (amended 2024)

| n-Heptane (142-82-5) | |
|--|--|
| OEL STEL | 500 ppm (Heptane, all isomers) |
| Canada (Newfoundland and Labrador) - Occupational Exposure Limits | |
| OEL TWA | 200 ppm |
| OEL STEL | 400 ppm |
| Notations and remarks | TLV® Basis: URT irr; Lung dam; CNS impair; Ototoxicity. Notations: OTO (Ototoxicant) |
| Regulatory reference | ACGIH 2025 |
| Canada (Nova Scotia) - Occupational Exposure Limits | |
| OEL TWA | 200 ppm |
| OEL STEL | 400 ppm |
| Notations and remarks | TLV® Basis: URT irr; Lung dam; CNS impair; Ototoxicity. Notations: OTO (Ototoxicant) |
| Regulatory reference | ACGIH 2025 |
| Canada (Nunavut) - Occupational Exposure Limits | |
| 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 | |
| OEL TWA | 400 ppm |
| OEL STEL | 500 ppm |
| Regulatory reference | Occupation Health and Safety Regulations R-039-2015 (R-090-2024) |
| Canada (Ontario) - Occupational Exposure Limits | |
| OEL TWAEV | 400 ppm |
| | 500 ppm |
| Regulatory reference | Ontario Occupational Exposure Limits under Regulation 833 |
| Canada (Prince Edward Island) - Occupational Exposure Limits | |
| OEL TWA | 200 ppm |
| OEL STEL | 400 ppm |
| Notations and remarks | TLV® Basis: URT irr; Lung dam; CNS impair; Ototoxicity. Notations: OTO (Ototoxicant) |
| Regulatory reference | ACGIH 2025 |
| Canada (Saskatchewan) - Occupational Exposure Limits | |
| OEL TWA | 400 ppm |
| OEL STEL | 500 ppm |
| Regulatory reference | The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10 |
| Canada (Yukon) - Occupational Exposure Limits | |
| OEL TWA | 1600 mg/m ³ |
| | 400 ppm |
| OEL STEL | 2000 mg/m ³ |

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According to SOR/2015-17, Hazardous Products Regulations (HPR) (amended 2022) & According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS) (amended 2024)

| n-Heptane (142-82-5) | |
|---|--|
| | 500 ppm |
| USA - ACGIH - Occupational Exposure Limits | |
| ACGIH OEL TWA | 200 ppm |
| ACGIH OEL STEL | 400 ppm |
| Remark (ACGIH) | TLV® Basis: URT irr; Lung dam; CNS impair; Ototoxicity. Notations: OTO (Ototoxicant) |
| Regulatory reference | ACGIH 2025 |
| USA - OSHA - Occupational Exposure Limits | |
| OSHA PEL TWA | 2000 mg/m ³ |
| | 500 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |

8.2. Appropriate engineering controls

Appropriate engineering controls : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection:

Wear suitable gloves resistant to chemical penetration

Eye protection:

Wear safety glasses with side shields (or goggles).

Skin and body protection:

Wear suitable protective clothing. As required by employer code.

Respiratory protection:

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

| | |
|---|---------------------|
| Physical state | : Liquid |
| Appearance | : Aerosol. |
| Color | : Colourless |
| Odor | : Lemon |
| Odor threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |

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| | |
|---|--|
| Relative evaporation rate (ether=1) | : No data available |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Extremely flammable aerosol |
| Vapor pressure | : No data available |
| Relative vapor density at 20°C | : No data available |
| Relative density | : No data available |
| Density | : 6.5 lb/gal |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : No data available |
| Explosive properties | : Pressurized container: may burst if heated. Not explosive. |
| Oxidizing properties | : Not oxidising. |
| Explosion limits | : No data available |
| Particle characteristics | : No data available |

9.2. Data relevant with regard to physical hazard classes (supplemental)

| | |
|-------------|-----------|
| VOC content | : 10.73 % |
|-------------|-----------|

SECTION 10 Stability and reactivity

| | |
|------------------------------------|---|
| Reactivity | : Extremely flammable aerosol. Pressurized container: may burst if heated. |
| Chemical stability | : Stable under normal conditions. |
| Possibility of hazardous reactions | : No dangerous reactions known under normal conditions of use. |
| Conditions to avoid | : No flames, no sparks. Eliminate all sources of ignition. Do not mix with other chemicals. |
| Incompatible materials | : Strong oxidizing agents. Acids. Alkali. Reducing agents. |
| Hazardous decomposition products | : May include and are not limited to: oxides of carbon. |

SECTION 11 Toxicological information

11.1. Likely routes of exposure

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

Acetone (67-64-1)

| | |
|--------------------------------|--|
| LD50 oral rat | 5800 mg/kg (Source: NLM_CIP) |
| LD50 dermal rabbit | > 15700 mg/kg (Source: OECD_SIDS) |
| LC50 Inhalation - Rat | 50100 mg/m³ (Exposure time: 8 h Source: OECD_SIDS) |
| LC50 Inhalation - Rat (Vapors) | 76 mg/l Source: ECHA |
| ATE CA (oral) | 5800 mg/kg body weight |
| ATE CA (vapors) | 50.1 mg/l/4h |
| ATE CA (dust,mist) | 50.1 mg/l/4h |

n-Heptane (142-82-5)

| | |
|---------------|--|
| LD50 oral rat | > 5000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity) |
|---------------|--|

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| n-Heptane (142-82-5) | |
|-----------------------------|-----------------------------|
| LD50 dermal rabbit | 3000 mg/kg (Source: IUCLID) |
| LC50 Inhalation - Rat | > 73.5 mg/l/4h |
| ATE CA (Dermal) | 3000 mg/kg body weight |

| D-Limonene (5989-27-5) | |
|--------------------------------|-------------------------------|
| LD50 oral rat | 4400 mg/kg (Source: CHEMVIEW) |
| LD50 dermal rabbit | > 5 g/kg (Source: CHEMVIEW) |
| LC50 Inhalation - Rat (Vapors) | > 20 mg/l/4h |
| ATE CA (oral) | 4400 mg/kg body weight |

| | |
|-----------------------------------|--|
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Respiratory or skin sensitization | : May cause an allergic skin reaction. |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |

| D-Limonene (5989-27-5) | |
|--|--------------------------------------|
| IARC group | 3 - Not classifiable |
| National Toxicity Program (NTP) Status | Evidence of Carcinogenicity |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : May cause drowsiness or dizziness. |
| STOT-repeated exposure | : Not classified |

| n-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 |
| Aspiration hazard | : May be fatal if swallowed and enters airways. |
| Likely routes of exposure | : Skin and eye contact. Ingestion. Inhalation. |
| Symptoms/effects after inhalation | : Prolonged inhalation may be harmful. May cause drowsiness or dizziness. |
| Symptoms/effects after skin contact | : Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. |
| Symptoms/effects after ingestion | : May be fatal if swallowed and enters airways. Aspiration of the product into the lungs may cause very serious pneumonia. May cause stomach distress, nausea or vomiting. |

SECTION 12 Ecological information

12.1. Toxicity

| | |
|---|---|
| Ecology - general | : See below for route-specific details. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified. |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified. |

| Acetone (67-64-1) | |
|--------------------------|---|
| LC50 - Fish [1] | 4.74 – 6.33 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA) |

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| Acetone (67-64-1) | |
|-------------------------------|--|
| LC50 - Fish [2] | 6210 – 8120 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID) |
| EC50 - Crustacea [1] | 10294 – 17704 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |
| EC50 - Crustacea [2] | 12600 – 12700 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| NOEC (chronic) | ≥ 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| LOEC (chronic) | > 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| n-Heptane (142-82-5) | |
| LC50 - Fish [1] | 375 mg/l (Exposure time: 96 h - Species: Cichlid fish) |
| EC50 - Crustacea [1] | 1.5 mg/l Test organisms (species): Daphnia magna |
| 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' |
| D-Limonene (5989-27-5) | |
| LC50 - Fish [1] | 0.619 – 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA) |
| LC50 - Fish [2] | 35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA) |
| EC50 - Crustacea [1] | 0.307 mg/l Test organisms (species): Daphnia magna |
| EC50 - Crustacea [2] | 0.51 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | 0.32 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2] | 0.214 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |

12.2. Persistence and degradability

| Cal-Blast II Condenser Coil Cleaner | |
|--|--|
| Persistence and degradability | Rapidly degradable |
| Acetone (67-64-1) | |
| Persistence and degradability | Biodegradable in the soil, Biodegradable in the soil under anaerobic conditions, Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 1.43 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 1.92 g O ₂ /g substance |
| ThOD | 2.2 g O ₂ /g substance |
| n-Heptane (142-82-5) | |
| Persistence and degradability | Rapidly degradable |
| D-Limonene (5989-27-5) | |
| Persistence and degradability | Rapidly degradable |

Cal-Blast II Condenser Coil Cleaner

Safety Data Sheet

According to SOR/2015-17, Hazardous Products Regulations (HPR) (amended 2022) & According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS) (amended 2024)

12.3. Bioaccumulative potential

Acetone (67-64-1)

| | |
|---|--|
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |
| BCF - Fish [1] | (0.69 dimensionless) |
| Partition coefficient n-octanol/water (Log Pow) | -0.24 |

n-Heptane (142-82-5)

| | |
|---|------|
| Partition coefficient n-octanol/water (Log Pow) | 4.66 |
|---|------|

D-Limonene (5989-27-5)

| | |
|---|-----------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 4.38 (at 37 °C (at pH 7.2)) |
|---|-----------------------------|

12.4. Mobility in soil

Acetone (67-64-1)

| | |
|--|--|
| Surface tension | 23.3 mN/m (20 °C) |
| Ecology - soil | Highly mobile in soil. |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0.374 – 0.988 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |

12.5. Other adverse effects

| | |
|------------------------------|------------------|
| Ozone | : Not classified |
| Fluorinated greenhouse gases | : No |

SECTION 13 Disposal considerations

| | |
|--|--|
| Waste treatment methods | : Dispose of the material collected according to regulations. |
| Sewage disposal recommendations | : Disposal must be done according to official regulations. |
| Product/Packaging disposal recommendations | : Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling, disposal or collection. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |

SECTION 14 Transport information

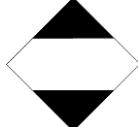
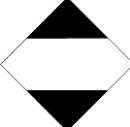
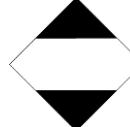
In accordance with TDG / DOT / IMDG / IATA

| TDG | DOT | IMDG | IATA |
|---|----------------------|-----------------------|----------------------------------|
| 14.1. UN Number | | | |
| UN1950 | UN1950 | 1950 | 1950 |
| 14.2. UN Proper Shipping Name | | | |
| AEROSOLS | Aerosols | AEROSOLS | Aerosols, flammable |
| Transport document description | | | |
| UN1950 AEROSOLS, 2.1 | UN1950 Aerosols, 2.1 | UN 1950 AEROSOLS, 2.1 | UN 1950 Aerosols, flammable, 2.1 |
| 14.3. Transport hazard class(es) | | | |
| LTD QTY | LTD QTY | LTD QTY | LTD QTY Y |

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Safety Data Sheet

According to SOR/2015-17, Hazardous Products Regulations (HPR) (amended 2022) & According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS) (amended 2024)

| TDG | DOT | IMDG | IATA |
|---|---|--|---|
|  |  |  |  |
| 14.4. Packing group, if applicable | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | |
| Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No Marine pollutant: No | Dangerous for the environment: No |
| No supplementary information available | | | |

14.6. Special precautions for user

TDG

UN-No. (TDG) : UN1950
Excepted quantities (TDG) : E0
Emergency Response Guide (ERG) Number : 126

DOT

UN-No. (DOT) : UN1950
DOT Special Provisions (49 CFR 172.102) : N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols.
DOT Packaging Exceptions (49 CFR 173.xxx) : 306
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 75 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 150 kg
DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other : 25 - Shade from radiant heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14,126 - Segregation same as for Class 9, miscellaneous hazardous materials

IMDG

Special provision (IMDG) : 63, 190, 277, 327, 344, 381, 959
Limited quantities (IMDG) : SP277
Excepted quantities (IMDG) : E0
Packing instructions (IMDG) : P207, LP200
Packing provisions (IMDG) : PP87, L2
EmS-No. (Fire) : F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES
EmS-No. (Spillage) : S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)
Stowage category (IMDG) : None
Stowage and handling (IMDG) : SW1, SW22
Segregation (IMDG) : SG69

IATA

PCA Excepted quantities (IATA) : E0
PCA Limited quantities (IATA) : Y203
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 203
PCA max net quantity (IATA) : 75kg
CAO packing instructions (IATA) : 203
CAO max net quantity (IATA) : 150kg
Special provision (IATA) : A145, A167, A802
ERG code (IATA) : 10L

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According to SOR/2015-17, Hazardous Products Regulations (HPR) (amended 2022) & According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS) (amended 2024)

14.7. Transport in bulk according to Annex II of MARPOL 73/789(^9) and the IBC Code(^10)

Not applicable

SECTION 15 Regulatory information

All components of this product are present on DSL

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Acetone (67-64-1)

| | |
|-----------|---------|
| CERCLA RQ | 5000 lb |
|-----------|---------|

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16 Other Information

Issue date : 09/09/2025

Other information : For an updated SDS, please contact the supplier or manufacturer listed on the first page of the document.

Prepared by: Nu-Calgon Technical Service Phone: (314) 469-7000.

The information in the safety data sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.