

SAFETY DATA SHEET

Crown Premium Chain and Cable Lube

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200.

1. Identification

Product identifier

Product name Crown Premium Chain and Cable Lube

Product number Crown #115, 363115-C01, 363115-M01, L0135-063CB, L0135-063CE, L0135-063MB

Recommended use of the chemical and restrictions on use

Application Lubricant for chains, wires and cables.

Uses advised against No specific uses advised against are identified.

Details of the supplier of the safety data sheet

Manufacturer Manufactured for Crown Equipment Corp.
44 South Washington Street
New Bremen, OH 454869
419-629-2311
NBO.SDS.US@crowns.com

Emergency telephone number

Emergency telephone Chem-Tel: 1-800-255-3924 (US & Canada only)
01-813-248-0585 (Outside US & Canada)

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Flam. Aerosol 2 - H223 Press. Gas, Liquefied - H280

Health hazards Not Classified

Environmental hazards Not Classified

Label elements

Hazard symbols



Signal word Warning

Hazard statements H223 Flammable aerosol.
H280 Contains gas under pressure; may explode if heated.

Precautionary statements P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use
P410+P403 Protect from sunlight. Store in a well-ventilated place.
P412 Do not expose to temperatures exceeding 50°C/122°F.

Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. Composition/information on ingredients

Mixtures

Crown Premium Chain and Cable Lube

| | |
|--|---------------|
| Distillates (petroleum), hydrotreated heavy naphthenic | 10-30% |
| CAS number: 64742-52-5 | |
| Classification Not Classified | |
| 2-butoxyethanol | 1-5% |
| CAS number: 111-76-2 | |
| Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 | |
| naphthalenesulfonic acid, dinonyl-, calcium salt (2:1) | 1-5% |
| CAS number: 57855-77-3 | |
| Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 | |
| Pentene, 2,4,4-trimethyl-, sulfurized | <1% |
| CAS number: 68515-88-8 | |
| Classification Skin Sens. 1B - H317 | |

The full text for all hazard statements is displayed in Section 16.

4. First-aid measures

Description of first aid measures

| | |
|-----------------------------------|--|
| General information | Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel. |
| Inhalation | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist. |
| Ingestion | Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel. |
| Skin Contact | Rinse with water. |
| Eye contact | Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues. |
| Protection of first aiders | First aid personnel should wear appropriate protective equipment during any rescue. |

Most important symptoms and effects, both acute and delayed

| | |
|----------------------------|---|
| General information | The severity of the symptoms described will vary dependent on the concentration and the length of exposure. |
|----------------------------|---|

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| | |
|---------------------|---|
| Inhalation | Spray/mists may cause respiratory tract irritation. Prolonged or repeated exposure may cause the following adverse effects: May cause cancer. |
| Ingestion | Due to the physical nature of this product, it is unlikely that ingestion will occur. Prolonged or repeated exposure may cause the following adverse effects: May cause cancer. |
| Skin contact | Repeated exposure may cause skin dryness or cracking. Prolonged or repeated exposure may cause the following adverse effects: May cause cancer. |
| Eye contact | May be slightly irritating to eyes. May cause discomfort. |

Indication of immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards Containers can burst violently or explode when heated, due to excessive pressure build-up. Bursting aerosol containers may be propelled from a fire at high speed. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. Vapors may form explosive mixtures with air.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapors. Evacuate area. Keep upwind to avoid inhalation of gases, vapors, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Evacuate area. Risk of explosion. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Promptly remove any clothing that becomes contaminated.

Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

Methods and material for containment and cleaning up

Crown Premium Chain and Cable Lube

| | |
|------------------------------------|---|
| Methods for cleaning up | Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Under normal conditions of handling and storage, spillages from aerosol containers are unlikely. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. Small Spillages: Wipe up with an absorbent cloth and dispose of waste safely. Large Spillages: If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13. |
| Reference to other sections | For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13. |

7. Handling and storage

Precautions for safe handling

| | |
|--------------------------|--|
| Usage precautions | Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Avoid exposing aerosol containers to high temperatures or direct sunlight. The product is flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. May cause cancer. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin. Avoid contact with eyes. Avoid inhalation of vapors and spray/mists. |
|--------------------------|--|

| | |
|---|--|
| Advice on general occupational hygiene | Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse. |
|---|--|

Conditions for safe storage, including any incompatibilities

| | |
|----------------------------|---|
| Storage precautions | Store away from incompatible materials (see Section 10). Store locked up. Keep away from oxidizing materials, heat and flames. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. Protect from sunlight. Do not store near heat sources or expose to high temperatures. Do not expose to temperatures exceeding 50°C/122°F. |
|----------------------------|---|

| | |
|----------------------|-------------------|
| Storage class | Chemical storage. |
|----------------------|-------------------|

Specific end uses(s)

| | |
|----------------------------|---|
| Specific end use(s) | The identified uses for this product are detailed in Section 1. |
|----------------------------|---|

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

Distillates (petroleum), hydrotreated heavy naphthenic

Mineral oil, excluding metal working fluids (pure, highly and severely refined)

ACGIH

2-butoxyethanol

Crown Premium Chain and Cable Lube

Long-term exposure limit (8-hour TWA): OSHA 50 ppm 240 mg/m³

Sk

Long-term exposure limit (8-hour TWA): ACGIH 20 ppm 97 mg/m³

A3

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

Sk = Danger of cutaneous absorption.

A3 = Confirmed Animal Carcinogen with Unknown Relevance to Humans.

2-butoxyethanol (CAS: 111-76-2)

Immediate danger to life and health 700 ppm

Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Ensure the ventilation system is regularly maintained and tested. Good general ventilation should be adequate to control worker exposure to airborne contaminants. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection

Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

Respiratory protection

Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with OSHA 1910.134. Full face mask respirators with replaceable filter cartridges should comply with OSHA 1910.134. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134.

Environmental exposure controls

Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|------------|------------|
| Appearance | Aerosol. |
| Color | Off-white. |

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| | |
|---|---|
| Odor | Not available. |
| Odor threshold | Not available. |
| pH | Not available. |
| Melting point | Not available. |
| Initial boiling point and range | Not available. |
| Flash point | Not applicable. |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Flammable aerosol. |
| Upper/lower flammability or explosive limits | Not available. |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Relative density | 0.93 (without propellant) |
| Solubility(ies) | Insoluble in water. |
| Partition coefficient | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition Temperature | Not available. |
| Viscosity | Not available. |
| Explosive properties | Not considered to be explosive. |
| Oxidizing properties | Does not meet the criteria for classification as oxidizing. |

10. Stability and reactivity

| | |
|---|---|
| Reactivity | See the other subsections of this section for further details. |
| Stability | Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions. |
| Possibility of hazardous reactions | The following materials may react strongly with the product: Oxidizing agents. |
| Conditions to avoid | Avoid exposing aerosol containers to high temperatures or direct sunlight. Pressurised container: may burst if heated |
| Materials to avoid | No specific material or group of materials is likely to react with the product to produce a hazardous situation. |
| Hazardous decomposition products | Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors. |

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

Summary Based on available data the classification criteria are not met.

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| | |
|--|--|
| Notes (oral LD₅₀) | Based on available data the classification criteria are not met. |
| ATE oral (mg/kg) | 11,574.07 |
| <u>Acute toxicity - dermal</u> | |
| Summary | Based on available data the classification criteria are not met. |
| Notes (dermal LD₅₀) | Based on available data the classification criteria are not met. |
| ATE dermal (mg/kg) | 25,462.96 |
| <u>Acute toxicity - inhalation</u> | |
| Summary | Based on available data the classification criteria are not met. |
| Notes (inhalation LC₅₀) | Based on available data the classification criteria are not met. |
| ATE inhalation (vapours mg/l) | 254.63 |
| <u>Skin corrosion/irritation</u> | |
| Summary | Based on available data the classification criteria are not met. |
| Animal data | Based on available data the classification criteria are not met. |
| <u>Serious eye damage/irritation</u> | |
| Summary | Based on available data the classification criteria are not met. |
| Serious eye damage/irritation | Based on available data the classification criteria are not met. |
| <u>Respiratory sensitization</u> | |
| Summary | Based on available data the classification criteria are not met. |
| Respiratory sensitization | Based on available data the classification criteria are not met. |
| <u>Skin sensitization</u> | |
| Summary | Based on available data the classification criteria are not met. |
| Skin sensitization | May cause an allergic skin reaction. |
| <u>Germ cell mutagenicity</u> | |
| Summary | Based on available data the classification criteria are not met. |
| Genotoxicity - in vitro | Based on available data the classification criteria are not met. |
| <u>Carcinogenicity</u> | |
| Summary | May cause cancer. |
| Carcinogenicity | Based on available data the classification criteria are not met. |
| IARC carcinogenicity | Contains a substance which may be potentially carcinogenic. IARC Group 3 Not classifiable as to its carcinogenicity to humans. |
| <u>Reproductive toxicity</u> | |
| Summary | Based on available data the classification criteria are not met. |
| Reproductive toxicity - fertility | Based on available data the classification criteria are not met. |
| Reproductive toxicity - development | Based on available data the classification criteria are not met. |
| <u>Specific target organ toxicity - single exposure</u> | |
| Summary | Based on available data the classification criteria are not met. |
| STOT - single exposure | Not classified as a specific target organ toxicant after a single exposure. |

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Specific target organ toxicity - repeated exposure

Summary Based on available data the classification criteria are not met.

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Summary Based on available data the classification criteria are not met.

Aspiration hazard Based on available data the classification criteria are not met.

General information

May cause cancer after repeated exposure. Risk of cancer depends on duration and level of exposure. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

Spray/mists may cause respiratory tract irritation.

Ingestion

Due to the physical nature of this product, it is unlikely that ingestion will occur.

Skin Contact

Repeated exposure may cause skin dryness or cracking.

Eye contact

May be slightly irritating to eyes. May cause discomfort.

Route of exposure

Ingestion Inhalation Skin and/or eye contact

Target Organs

No specific target organs known.

12. Ecological information

Ecotoxicity

Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

Toxicity

Based on available data the classification criteria are not met.

Acute aquatic toxicity

Summary

Based on available data the classification criteria are not met.

Chronic aquatic toxicity

Summary

Based on available data the classification criteria are not met.

Persistence and degradability

Persistence and degradability

The degradability of the product is not known.

Bioaccumulative potential

Bio-Accumulative Potential

No data available on bioaccumulation.

Partition coefficient

Not available.

Mobility in soil

Mobility

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Other adverse effects

Other adverse effects

None known.

13. Disposal considerations

Waste treatment methods

Crown Premium Chain and Cable Lube

| | |
|----------------------------|--|
| General information | The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous. |
| Disposal methods | Do not empty into drains. Empty containers must not be punctured or incinerated because of the risk of an explosion. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labeled with their contents. |

14. Transport information

General For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

UN Number

| | |
|---------------|--------|
| UN No. (TDG) | 1950 |
| UN No. (IMDG) | 1950 |
| UN No. (ICAO) | 1950 |
| UN No. (DOT) | UN1950 |

UN proper shipping name

| | |
|-----------------------------|----------|
| Proper shipping name (TDG) | AEROSOLS |
| Proper shipping name (IMDG) | AEROSOLS |
| Proper shipping name (ICAO) | AEROSOLS |
| Proper shipping name (DOT) | AEROSOLS |

Transport hazard class(es)

| | |
|---------------------|-----|
| DOT hazard class | 2.1 |
| DOT hazard label | 2.1 |
| TDG class | 2.1 |
| TDG label(s) | 2.1 |
| IMDG Class | 2.1 |
| ICAO class/division | 2.1 |

Transport labels



DOT transport labels



Packing group

Crown Premium Chain and Cable Lube

| | |
|---------------------------|------|
| TDG Packing Group | None |
| IMDG packing group | None |
| ICAO packing group | None |
| DOT packing group | None |

Environmental hazards

Environmentally Hazardous Substance

No.

Special precautions for user

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

EmS F-D, S-U

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

Regulatory References OSHA Hazard Communication Standard 29 CFR §1910.1200

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed or exempt.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

None of the ingredients are listed or exempt.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed or exempt.

SARA 313 Emission Reporting

The following ingredients are listed or exempt:

2-butoxyethanol

1.0 %

Naphthenic acids, zinc salts

1.0 %

Zinc neodeconoate

1.0 %

CAA Accidental Release Prevention

None of the ingredients are listed or exempt.

FDA - Essential Chemical

None of the ingredients are listed or exempt.

FDA - Precursor Chemical

None of the ingredients are listed or exempt.

SARA (311/312) Hazard Categories

Gas under pressure
Respiratory or skin sensitization

Crown Premium Chain and Cable Lube

OSHA Highly Hazardous Chemicals

None of the ingredients are listed or exempt.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-I)

The following ingredients are listed or exempt:

2-butoxyethanol

California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed or exempt.

California Directors List of Hazardous Substances

The following ingredients are listed or exempt:

2-butoxyethanol

Massachusetts "Right To Know" List

The following ingredients are listed or exempt:

2-butoxyethanol

Rhode Island "Right To Know" List

The following ingredients are listed or exempt:

2-butoxyethanol

Minnesota "Right To Know" List

The following ingredients are listed or exempt:

2-butoxyethanol

New Jersey "Right To Know" List

The following ingredients are listed or exempt:

2-butoxyethanol

Pennsylvania "Right To Know" List

The following ingredients are listed or exempt:

2-butoxyethanol

Inventories

US - TSCA

All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification

None of the ingredients are listed or exempt.

16. Other information

Crown Premium Chain and Cable Lube

Abbreviations and acronyms used in the safety data sheet

TDG: The transport of dangerous goods act

IATA: International air transport association.

ICAO: Technical instructions for the safe transport of dangerous goods by air.

IMDG: International maritime dangerous goods.

CAS: Chemical abstracts service.

ATE: Acute toxicity estimate.

LC₅₀: Lethal concentration to 50 % of a test population.

LD₅₀: Lethal dose to 50% of a test population (median lethal dose).

EC₅₀: 50% of maximal effective concentration.

PBT: Persistent, bioaccumulative and toxic substance.

vPvB: Very persistent and very bioaccumulative.

Classification abbreviations and acronyms

Aerosol = Aerosol

Carc. = Carcinogenicity

Press. Gas, Liquefied = Gas under pressure: Liquefied gas

Training advice

Only trained personnel should use this material.

Revision date

3/20/2023

Revision

2

Supersedes date

2/17/2023

SDS No.

4961

Hazard statements in full

H223 Flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

End of SDS

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.