

**SAFETY DATA SHEET**

in accordance with 29 CFR 1910.1200, WHMIS 2022 and Safe Work Australia

**Revision date:** 7 October 2024

**Date of previous issue:** –

**SDS No.** 484

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

720 CCG Chain, Cable, Gear Lubricant (Aerosol)

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Relevant identified uses:** Use for cables, chains and open gears.

**Uses advised against:** No information available

**Reason why uses advised against:** Not applicable

**1.3. Details of the supplier of the safety data sheet**

**Company:**

A.W. CHESTERTON COMPANY  
860 Salem Street  
Groveland, MA 01834-1507, USA  
Tel. +1 978-469-6446  
(Mon. - Fri. 8:30 - 5:00 PM EST)  
SDS requests: [www.chesterton.com](http://www.chesterton.com)  
E-mail (SDS questions): [ProductSDSs@chesterton.com](mailto:ProductSDSs@chesterton.com)  
E-mail: [customer.service@chesterton.com](mailto:customer.service@chesterton.com)

**Supplier:**

Canada: A.W. Chesterton Company Ltd., 889 Fraser Drive,  
Unit 105, Burlington, Ontario L7L 4X8 – Tel. 905-335-5055

**1.4. Emergency telephone number**

24 hours per day, 7 days per week  
Call Infotrac: 1-800-535-5053  
Outside N. America: +1 352-323-3500 (collect)  
NSW Poisons Information Centre (Australia): 13 11 26

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**2.1.1. Classification according to 29 CFR 1910.1200 / WHMIS 2022 / Safe Work Australia / GHS**

Aerosol, Category 1, H222, H229  
Aspiration hazard, Category 1, H304  
Skin irritation, Category 2, H315  
Specific target organ toxicity – single exposure, Category 3, H336  
Hazardous to the aquatic environment, Acute, Category 2, H401  
Hazardous to the aquatic environment, Chronic, Category 2, H411

**2.1.2. Additional information**

For full text of H-statements: see SECTIONS 2.2 and 16.

**2.2. Label elements**

**Labeling according to 29 CFR 1910.1200 / WHMIS 2022 / Safe Work Australia / GHS**

**Hazard pictograms:**



**Signal word:**

Danger

<b>Hazard statements:</b>	H222	Extremely flammable aerosol.
	H229	Pressurized container: May burst if heated.
	H304	May be fatal if swallowed and enters airways.
	H315	Causes skin irritation.
	H336	May cause drowsiness or dizziness.
	H411	Toxic to aquatic life with long lasting effects.
<b>Precautionary statements:</b>	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P211	Do not spray on an open flame or other ignition source.
	P251	Do not pierce or burn, even after use.
	P261	Avoid breathing vapours.
	P264	Wash skin thoroughly after handling.
	P271	Use only outdoors or in a well-ventilated area.
	P273	Avoid release to the environment.
	P280	Wear protective gloves and eye/face protection.
	P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
	P302/352	IF ON SKIN: Wash with plenty of soap and water.
	P304/340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P312	Call a POISON CENTER or doctor if you feel unwell.
	P331	Do NOT induce vomiting.
	P332/313	If skin irritation occurs: Get medical advice/attention.
	P362/364	Take off contaminated clothing and wash it before reuse.
	P391	Collect spillage.
	P403	Store in a well-ventilated place.
	P405	Store locked up.
	P410/412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
	P501	Dispose of contents/container to an approved waste disposal plant.
<b>Supplemental information:</b>	None	

**2.3. Other hazards**

None known

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

Hazardous Ingredients <sup>1</sup>	% Wt.	CAS No.	GHS Classification
Naphtha (petroleum), light alkylate*	20-30	64741-66-8	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Isobutane**	15-25	75-28-5	Flam. Gas 1, H220 Press. Gas (Comp.), H280 Simple Asphyxiant (US/Can.)
Propane	10-15	74-98-6	Flam. Gas 1, H220 Press. Gas (Comp.), H280 Simple Asphyxiant (US/Can.)

\*Contains less than 0.1 % w/w Benzene. \*\*Contains less than 0.1 % w/w 1,3-Butadiene.

<sup>1</sup> Classified according to: 29 CFR 1910.1200, 1915, 1916, 1917, Mass. Right-to-Know Law (ch. 40, M.G.L..O. 111F), WHMIS 2022, Safe Work Australia, GHS

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures**

- Inhalation:** Remove to fresh air. If not breathing, administer artificial respiration. Contact physician immediately.
- Skin contact:** Wash skin with soap and water. Take off contaminated clothing and wash it before reuse. Contact physician if irritation persists.
- Eye contact:** Flush eyes for at least 15 minutes with large amounts of water. Contact physician if irritation persists.
- Ingestion:** Do not induce vomiting. If conscious, drink large quantities of water. Contact physician immediately.
- Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training. Avoid contact with skin. Avoid breathing vapours. See section 8.2.2 for recommendations on personal protective equipment.

**4.2. Most important symptoms and effects, both acute and delayed**

Causes skin irritation. Direct contact may cause mild eye irritation. Vapor concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anesthetic and may have other central nervous system effects. Aspiration into the lungs may cause chemical pneumonitis or pulmonary oedema.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptoms.

**SECTION 5: FIRE-FIGHTING MEASURES****5.1. Extinguishing media**

**Suitable extinguishing media:** Carbon dioxide, dry chemical or foam

**Unsuitable extinguishing media:** High volume water jet

**5.2. Special hazards arising from the substance or mixture**

**Hazardous combustion products:** oxides of Carbon, Sulfur, Calcium and Phosphorus.

**Other hazards:** Pressurized containers, when heated, are a potential explosive hazard.

**5.3. Advice for firefighters**

Cool exposed containers with water. Recommend Firefighters wear self-contained breathing apparatus.

**Australian HAZCHEM Emergency Action Code:** 3 Y

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Evacuate area. Provide adequate ventilation. Utilize exposure controls and personal protection as specified in Section 8.

**6.2. Environmental Precautions**

Keep out of sewers, streams and waterways.

**6.3. Methods and material for containment and cleaning up**

Contain spill to a small area. Keep away from sources of ignition - No smoking. If removal of ignition sources is not possible, then flush material away with water. Pick up with absorbent material (sand, sawdust, clay, etc.) and place in a suitable container for disposal.

**6.4. Reference to other sections**

Refer to section 13 for disposal advice.

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Shake well before using. Vapors are heavier than air and will collect in low areas. Vapor accumulations could flash and/or explode if ignited. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No Smoking. Wash skin thoroughly after handling.

**7.2. Conditions for safe storage, including any incompatibilities**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C (120°F). Do not pierce or burn, even after use. Store in a well-ventilated place.

**7.3. Specific end use(s)**

No special precautions.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Occupational exposure limit values**

Ingredients	OSHA PEL <sup>1</sup>		ACGIH TLV <sup>2</sup>		AUSTRALIA ES <sup>3</sup>	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Naphtha (petroleum), light alkylate*	N/A	N/A	N/A	N/A	N/A	N/A
Isobutane	N/A	N/A	STEL: 1000	N/A	N/A	N/A
Propane	1000	1800	**	N/A	**	N/A

\*Chesterton recommended limit: 241 ppm (1200 mg/m<sup>3</sup>). \*\*Simple asphyxiant.

<sup>1</sup> United States Occupational Health & Safety Administration permissible exposure limits

<sup>2</sup> American Conference of Governmental Industrial Hygienists threshold limit values

<sup>3</sup> Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**8.2. Exposure controls****8.2.1. Engineering measures**

Provide sufficient ventilation to keep the vapor concentrations below the exposure limits.

**8.2.2. Individual protection measures**

**Respiratory protection:** Not normally needed. If exposure limits are exceeded, use an approved organic vapor respirator for mists.

**Protective gloves:** Chemical resistant gloves (e.g. neoprene, nitrile).

**Eye and face protection:** Safety goggles or glasses.

**Other:** Impervious clothing as necessary for repetitive, prolonged skin contact.

**8.2.3. Environmental exposure controls**

Refer to sections 6 and 12.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	viscous liquid	<b>pH</b>	not applicable
<b>Colour</b>	light tan	<b>Kinematic viscosity</b>	0.7 cSt @ 40°C (solvent)
<b>Odour</b>	mild odor	<b>Solubility in water</b>	insoluble
<b>Odour threshold</b>	not determined	<b>Partition coefficient n-octanol/water (log value)</b>	not applicable
<b>Boiling point or range</b>	not determined	<b>Vapour pressure @ 20°C</b>	2 kPa (15 mm Hg)
<b>Melting point/freezing point</b>	not applicable	<b>Density and/or relative density</b>	0.876 kg/l
<b>% Volatile (by volume)</b>	38%, product only	<b>Weight per volume</b>	7.31 lbs/gal.
<b>Flammability</b>	ignitable	<b>Vapour density (air=1)</b>	> 1
<b>Lower/upper flammability or explosion limits</b>	LEL 0.6% UEL 6%	<b>Rate of evaporation (ether=1)</b>	< 1
<b>Flash point</b>	6°C (43°F) (component data)	<b>% Aromatics by weight</b>	not determined
<b>Method</b>	ASTM D-56	<b>Particle characteristics</b>	not applicable
<b>Autoignition temperature</b>	380°C (716°F)	<b>Explosive properties</b>	flammable liquid
<b>Decomposition temperature</b>	not determined	<b>Oxidising properties</b>	none

**9.2. Other information**

Dynamic viscosity: 300-500 cPs @ 25°C

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Refer to sections 10.3 and 10.5.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

May depolymerize at temperatures above 200°C with the production of extremely flammable butene monomers.

**10.4. Conditions to avoid**

Open flames, heat, sparks and red hot surfaces.

**10.5. Incompatible materials**

Strong acids and strong oxidizers like liquid Chlorine and concentrated Oxygen.

**10.6. 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**

**Primary route of exposure under normal use:** Inhalation, skin and eye contact. Personnel with pre-existing dermatitis are generally aggravated by exposure.

**Acute toxicity -****Oral:**

Based on available data on components, the classification criteria are not met.

Substance	Test	Result
Naphtha (petroleum), light alkylate	LD50, rat	> 5000 mg/kg

**Dermal:**

Based on available data on components, the classification criteria are not met.

Substance	Test	Result
Naphtha (petroleum), light alkylate	LD50, rabbit	> 2000 mg/kg

**Inhalation:**

Inhalation of vapor concentrations in excess of 1000 ppm will cause eye and respiratory tract irritation, dizziness, headache and other central nervous system effects.

Substance	Test	Result
Naphtha (petroleum), light alkylate	LC50, rat, 4 hours	> 2.1 mg/l (vapour)
Isobutane	LC50, mouse, 1 h	52 mg/l
Propane	LC50, rat 4 hours	658 mg/l

**Skin corrosion/irritation:**

Moderate skin irritant.

**Serious eye damage/irritation:**

May cause mild eye irritation.

**Respiratory or skin sensitisation:**

Not expected to cause sensitization.

**Germ cell mutagenicity:**

Naphtha (petroleum), light alkylate, Propane, Isobutane: not expected to be a germ cell mutagen.

**Carcinogenicity:**

This product contains no carcinogens as listed by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), the Occupational Safety and Health Administration (OSHA) or the European Chemicals Agency (ECHA).

**Reproductive toxicity:**

Naphtha (petroleum), light alkylate, Isobutane, Propane: not expected to be a reproductive toxicant.

**STOT – single exposure:**

May cause drowsiness or dizziness.

**STOT – repeated exposure:**

Naphtha (petroleum), light alkylate, Propane, Isobutane: not expected to cause organ damage from prolonged or repeated exposure.

**Aspiration hazard:**

May be fatal if swallowed and enters airways.

**Other information:**

None

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.

**12.1. Toxicity**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. 48 h EL50 (for daphnia): 2.4 mg/l (read-across). LOEC, 21 days, Daphnia: 0.32 mg/l (read-across).

**12.2. Persistence and degradability**

Naphtha (petroleum), light alkylate: expected to degrade rapidly in air; expected to be inherently biodegradable (biodegradability, 28 days: 22%). Naphtha (petroleum), light alkylate, Isobutane, Propane: oxidize by photochemical reactions in air.

**12.3. Bioaccumulative potential**

Propane, Isobutane: bioconcentration in aquatic organisms is not expected to be significant.

**12.4. Mobility in soil**

Viscous liquid. Insoluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). The hazardous ingredients will rapidly evaporate to the air if released into the environment.

**12.5. Endocrine disrupting properties**

None known

**12.6. Other adverse effects**

None known

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

Incinerate absorbed material with a properly licensed facility. Incinerate pressurized or sealed containers in an approved facility. Check local, state and national/federal regulations and comply with the most stringent requirement.

**SECTION 14: TRANSPORT INFORMATION****14.1. UN number or ID number**

**ADG/ADR/RID/ADN/IMDG/ICAO:** UN1950  
**TDG:** UN1950  
**US DOT:** UN1950

**14.2. UN proper shipping name**

**ICAO:** AEROSOLS, FLAMMABLE  
**ADG/IMDG:** AEROSOLS  
**ADR/RID/ADN:** AEROSOLS, *FLAMMABLE*  
**TDG:** AEROSOLS, *FLAMMABLE*  
**US DOT:** AEROSOLS, *FLAMMABLE*

**14.3. Transport hazard class(es)**

**ADG/ADR/RID/ADN/IMDG/ICAO:** 2.1  
**TDG:** 2.1  
**US DOT:** 2.1

**14.4. Packing group**

**ADG/ADR/RID/ADN/IMDG/ICAO:** NOT APPLICABLE  
**TDG:** NOT APPLICABLE  
**US DOT:** NOT APPLICABLE

**14.5. Environmental hazards**

NO ENVIRONMENTAL HAZARDS

**14.6. Special precautions for user**

NO SPECIAL PRECAUTIONS FOR USER

**14.7. Maritime transport in bulk according to IMO instruments**

NOT APPLICABLE

**14.8. Other information**

**US DOT:** SHIPPED AS LIMITED QUANTITY IN PACKAGING HAVING A RATED CAPACITY GROSS WEIGHT OF 66 LB. OR LESS (49 CFR 173.306(A),(3),(I)).

ERG NO. 126

**IMDG:** EMS. F-D, S-U, SHIPPED AS LIMITED QUANTITY

**ADR:** CLASSIFICATION CODE 5F, TRANSPORT CATEGORY 2, TUNNEL RESTRICTION CODE (E), SHIPPED AS LIMITED QUANTITY

**ADG HAZCHEM CODE:** N/A **HIN:** (1)

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. National regulations****US EPA SARA TITLE III****312 Hazards:****Chemicals subject to reporting requirements of Section 313 of EPCRA and of 40 CFR 372:**

Flammable aerosol  
 Aspiration hazard  
 Skin irritation  
 Specific target organ toxicity – single exposure

None

TSCA: All components are listed or exempted.

**Other national regulations:** None**SECTION 16: OTHER INFORMATION**

**Abbreviations and acronyms:** ADG: Australian Dangerous Goods Code  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ATE: Acute Toxicity Estimate  
 BCF: Bioconcentration Factor  
 cATpE: Converted Acute Toxicity point Estimate  
 ES: Exposure Standard  
 GHS: Globally Harmonized System  
 ICAO: International Civil Aviation Organization  
 IMDG: International Maritime Dangerous Goods  
 LC50: Lethal Concentration to 50 % of a test population  
 LD50: Lethal Dose to 50% of a test population  
 LOEL: Lowest Observed Effect Level  
 N/A: Not Applicable  
 NA: Not Available  
 NOEC: No Observed Effect Concentration  
 NOEL: No Observed Effect Level  
 OECD: Organization for Economic Co-operation and Development  
 (Q)SAR: Quantitative Structure-Activity Relationship  
 REL: Recommended Exposure Limit  
 RID: Regulations concerning the International Carriage of Dangerous Goods by Rail  
 SDS: Safety Data Sheet  
 STEL: Short Term Exposure Limit  
 STOT RE: Specific Target Organ Toxicity, Repeated Exposure  
 STOT SE: Specific Target Organ Toxicity, Single Exposure  
 TDG: Transportation of Dangerous Goods (Canada)  
 TWA: Time Weighted Average  
 US DOT: United States Department of Transportation  
 WHMIS: Workplace Hazardous Materials Information System  
 Other abbreviations and acronyms can be looked up at [www.wikipedia.org](http://www.wikipedia.org).

**Key literature references and sources for data:** Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST)  
 Chemical Classification and Information Database (CCID)  
 European Chemicals Agency (ECHA) - Information on Chemicals  
 Hazardous Chemical Information System (HCIS)  
 National Institute of Technology and Evaluation (NITE)  
 U.S. National Library of Medicine Toxicology Data Network (TOXNET)

**Procedure used to derive the classification for mixtures according to GHS:**

Classification	Classification procedure
Aerosol 1, H222	On basis of components and test data
Asp. Tox. 1, H304	On basis of components and spray pattern
Skin Irrit. 2, H315	Calculation method
STOT SE 3, H336	Bridging principle "Dilution"
Aquatic Chronic 2, H411	Calculation method

**Relevant H-statements:** H220: Extremely flammable gas.  
H222: Extremely flammable aerosol.  
H225: Highly flammable liquid and vapour.  
H280: Contains gas under pressure; may explode if heated.  
H304: May be fatal if swallowed and enters airways.  
H315: Causes skin irritation.  
H336: May cause drowsiness or dizziness.  
H401: Toxic to aquatic life.  
H411: Toxic to aquatic life with long lasting effects.

**Hazard pictogram names:** Flame, health hazard, exclamation mark, environment

**Further information:** None

**Date of last revision:** 7 October 2024

**Changes to the SDS in this revision:** Original issue.

This information is based solely on data provided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the suitability of the product for the user's particular purpose. The user must make their own determination as to suitability.