

**SAFETY DATA SHEET**

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

**Revision date:** 19 July 2024      **Date of previous issue:** 11 February 2022      **SDS No.** 478-1

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

**1.1. Product identifier**

720 CCG Chain, Cable, Gear Lubricant – with Diluent (Bulk)

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

**Relevant identified uses:** Use for cables, chains and open gears. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**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**

Flammable liquid, Category 4, H227  
Eye irritation, Category 2, H319

**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:** Warning

**Hazard statements:** H227 Combustible liquid.  
H319 Causes serious eye irritation.

<b>Precautionary statements:</b>	P210	Keep away from flames and hot surfaces. – No smoking.
	P264	Wash skin thoroughly after handling.
	P280	Wear protective gloves and eye/face protection.
	P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P337/313	If eye irritation persists: Get medical advice/attention.
	P370/378	In case of fire: Use CO2, dry chemical, foam or water fog to extinguish.
P403/235	Store in a well-ventilated place. Keep cool.	
P501	Dispose of contents/container to an approved waste disposal plant.	

**Supplemental information:** None

### 2.3. Other hazards

Repeated exposure may cause skin dryness or cracking.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

Hazardous Ingredients <sup>1</sup>	% Wt.	CAS No.	GHS Classification
Naphtha (petroleum), hydrotreated heavy*	25 - 35	64742-48-9	Flam. Liq. 4, H227 Asp. Tox. 1, H304
Tetrasodium pyrophosphate	0.5 - 1.5	7722-88-5	Eye Dam. 1, H318

\*Contains less than 0.1 % w/w Benzene.  
For full text of H-statements: see SECTION 16.

<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

<b>Inhalation:</b>	Remove to fresh air. If not breathing, administer artificial respiration. Contact physician.
<b>Skin contact:</b>	Wash skin with soap and water. Consult physician if irritation develops or persists.
<b>Eye contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Contact physician.
<b>Ingestion:</b>	Do not induce vomiting unless directed to do so by medical personnel. If person is conscious, rinse mouth with water. Contact physician immediately.
<b>Protection of first-aiders:</b>	No action shall be taken involving any personal risk or without suitable training. Avoid contact with the product while providing aid to the victim. See section 8.2.2 for recommendations on personal protective equipment.

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

Irritating to eyes. 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.

### 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, foam or water fog

**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:** Rapid depolymerization can occur in a fire and produce flammable vapors. May depolymerize at temperatures above 200°C with the production of extremely flammable butene monomers. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.

**5.3. Advice for firefighters**

Do not allow runoff from firefighting to enter drains or water courses. Cool exposed containers with water. Recommend Firefighters wear self-contained breathing apparatus.

**Australian HAZCHEM Emergency Action Code:** 2 Z

**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**

Electrically ground and bond equipment during transfer operations. Utilize exposure controls and personal protection as specified in Section 8. Do not eat, drink or smoke in work area. Wash hands and face prior to eating, smoking or drinking. As with any product involved with moving equipment, care is recommended. If in doubt, stop equipment prior to application.

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

Store in a cool, dry and well-ventilated area. Keep container closed when not in use.

**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), hydrotreated heavy	N/A	N/A	171 *	1,200 *	N/A	N/A
Tetrasodium pyrophosphate**	N/A	N/A	N/A	N/A	N/A	5

\* Based on the procedure described in appendix H, "Reciprocal calculation method for Certain Refined Hydrocarbon Solvent Vapor Mixtures" of the ACGIH TLVs® and BEIs®.

\*\* U.S. National Institute for Occupational Safety and Health (NIOSH) REL (TWA): 5 mg/m<sup>3</sup>

<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**

No special requirements. If exposure limits are exceeded, provide adequate ventilation.

**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>	semi-fluid	<b>pH</b>	not applicable
<b>Colour</b>	off-white	<b>Kinematic viscosity</b>	700 cSt @ 40°C (base oil)
<b>Odour</b>	mild	<b>Solubility in water</b>	insoluble
<b>Odour threshold</b>	not determined	<b>Partition coefficient</b>	not applicable
		<b>n-octanol/water (log value)</b>	
<b>Boiling point or range</b>	190°C (374°F)	<b>Vapour pressure @ 20°C</b>	0.04 kPa (0.3 mm Hg)
<b>Melting point/freezing point</b>	not applicable	<b>Density and/or relative density</b>	0.88 kg/l
<b>% Volatile (by volume)</b>	30%	<b>Weight per volume</b>	7.34 lbs/gal.
<b>Flammability</b>	combustible liquid	<b>Vapour density (air=1)</b>	> 1
<b>Lower/upper flammability or explosion limits</b>	LEL 0.7% UEL 6%	<b>Rate of evaporation (ether=1)</b>	< 1
<b>Flash point</b>	62°C (144°F)	<b>% Aromatics by weight</b>	not determined
<b>Method</b>	PM Closed Cup	<b>Particle characteristics</b>	not applicable
<b>Autoignition temperature</b>	332°C (630°F)	<b>Explosive properties</b>	none
<b>Decomposition temperature</b>	not determined	<b>Oxidising properties</b>	none

**9.2. Other information**

None

**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:** Skin and eye contact.

**Acute toxicity -**

**Oral:** ATE-mix > 5,000 mg/kg

Substance	Test	Result
Naphtha (petroleum), hydrotreated heavy	LD50, rat	> 5,000 mg/kg (read-across)
Tetrasodium pyrophosphate	LD50, rat	1,624 mg/kg

**Dermal:** ATE-mix > 5,000 mg/kg

Substance	Test	Result
Naphtha (petroleum), hydrotreated heavy	LD50, rat	> 5,000 mg/kg (read-across)
Tetrasodium pyrophosphate	LD50, rabbit	7,940 mg/kg

**Inhalation:** Not expected to cause toxicity. 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.

Substance	Test	Result
Naphtha (petroleum), hydrotreated heavy	LC50, rat, 4 hours	> 5 mg/l (vapour, read-across)

**Skin corrosion/irritation:** Prolonged or repeated skin contact may defat the skin and cause skin irritation.

**Serious eye damage/irritation:** Causes serious eye irritation.

Substance	Test	Result
Tetrasodium pyrophosphate	Eye irritation, rabbit	Serious eye damage/severe irritation

**Respiratory or skin sensitisation:** No known effects.

Substance	Test	Result
Naphtha (petroleum), hydrotreated heavy	Skin sensitization	Not sensitizing (read-across)

**Germ cell mutagenicity:** Naphtha (petroleum), hydrotreated heavy: expected to be non-mutagenic based on data from similar materials. Tetrasodium pyrophosphate: based on available data, the classification criteria are not met.

**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), hydrotreated heavy: not expected to be a reproductive toxicant, based on data from similar materials. Tetrasodium pyrophosphate: not expected to be reproductive toxicants.

**STOT – single exposure:** Not expected to cause toxicity.

**STOT – repeated exposure:** Naphtha (petroleum), hydrotreated heavy: not expected to cause organ damage from prolonged or repeated exposure, based on data from similar materials. Tetrasodium pyrophosphate: based on available data, repeated exposures are not anticipated to cause significant adverse effects.

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

**Other information:** None known

**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**

Not expected to be harmful to aquatic organisms.

**12.2. Persistence and degradability**

Naphtha (petroleum), hydrotreated heavy: expected to be inherently biodegradable; expected to degrade rapidly in air. Tetrasodium pyrophosphate: inorganic substance.

**12.3. Bioaccumulative potential**

Tetrasodium pyrophosphate: does not bioaccumulate.

**12.4. Mobility in soil**

Semi-fluid. Insoluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). Naphtha (petroleum), hydrotreated heavy: this substance is highly volatile and will rapidly evaporate to the air if released into the environment; not expected to partition to sediment and wastewater solids.

**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. 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:** NOT APPLICABLE  
**TDG:** NOT APPLICABLE  
**US DOT:** NOT APPLICABLE

**14.2. UN proper shipping name**

**ADG/ADR/RID/ADN/IMDG/ICAO:** NON-HAZARDOUS, NON REGULATED  
**TDG:** NON-HAZARDOUS, NON REGULATED  
**US DOT:** NON-HAZARDOUS, NON REGULATED

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

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

**14.4. Packing group**

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

**14.5. Environmental hazards**

NOT APPLICABLE

**14.6. Special precautions for user**

NOT APPLICABLE

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

NOT APPLICABLE

**14.8. Other information**

NOT APPLICABLE

**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:**

Flammable liquid  
 Eye irritation

**Chemicals subject to reporting requirements of Section 313 of EPCRA and of 40 CFR 372:**

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
Flam. Liq. 4, H227	On basis of test data
Eye Irrit. 2, H319	Calculation method

**Relevant H-statements:** H227: Combustible liquid.  
 H304: May be fatal if swallowed and enters airways.  
 H318: Causes serious eye damage.  
 H319: Causes serious eye irritation.

**Hazard pictogram names:** Exclamation mark

**Further information:** None

**Date of last revision:** 19 July 2024

**Changes to the SDS in this revision:** Sections 1.1, 1.2, 12.5, 15.1, 16.

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.