

**SAFETY DATA SHEET**

in accordance with 2015/830/EU (REACH, Annex II) 29 CFR 1910.1200, WHMIS 2015 and Safe Work Australia

**Revision date:** 9 November 2021      **Date of previous issue:** 11 May 2021      **SDS No.** 477-1

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

**1.1. Product identifier**

720 CCG Chain, Cable and Gear Lubricant

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

Use on chains, cables and small to medium sized open gears.

**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 Fax: +1 978-469-6785  
(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  
EU: Chesterton International GmbH, Am Lenzenfleck 23,  
D85737 Ismaning, Germany – Tel. +49-89-996-5460

**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 Regulation (EC) No 1272/2008 [CLP] / 29 CFR 1910.1200 / WHMIS 2015 / Safe Work Australia / GHS**

Eye irritation, Category 2A, H319

**2.1.2. Australian statement of hazardous nature**

Hazardous according to criteria of Safe Work Australia.

**2.1.3. Additional information**

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

**2.2. Label elements**

**Labelling according to Regulation (EC) No 1272/2008 [CLP] / 29 CFR 1910.1200 / WHMIS 2015 / Safe Work Australia / GHS**

**Hazard pictograms:**



**Signal word:**

Warning

**Hazard statements:**

H319

Causes serious eye irritation.

**Precautionary statements:** P264 Wash skin thoroughly after handling.  
 P280 Wear 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.

**Supplemental information:** None

### 2.3. Other hazards

None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

Hazardous Ingredients <sup>1</sup>	% Wt.	CAS No./ EC No.	REACH Reg. No.	CLP/GHS Classification
Tetrasodium pyrophosphate	0.7 – 1.4	7722-88-5	NA	Eye Dam. 1, H318 Acute Tox. 4, H302

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)  
 • 1272/2008/EC, GHS, REACH  
 • WHMIS 2015  
 • Safe Work Australia

## 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.

**Skin contact:** Wash skin with soap and water. Consult physician if irritation develops or persists.

**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Contact physician.

**Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. If person is conscious, rinse mouth with water. Contact physician immediately.

**Protection of first-aiders:** Avoid contact with eyes. 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. Prolonged or repeated skin contact may defat the skin and cause skin irritation.

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

High velocity injection under the skin may leave a bloodless puncture wound subject to infection, disfigurement, lack of blood and may require amputation. Immediate treatment by a surgical specialist is recommended.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable extinguishing media:** Carbon dioxide, dry chemical, alcohol-resistant foam or water fog

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

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

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. Hazardous combustion products may include: oxides of Carbon, Sulfur, Calcium and Phosphorus. Do not allow runoff from firefighting to enter drains or water courses.

### 5.3. Advice for firefighters

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**  
 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. 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**  
 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. Keep container closed when not in use. Injection into the body without immediate medical treatment may cause loss of affected part of the body. 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 area.

**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>		UK WEL <sup>3</sup>		AUSTRALIA ES <sup>4</sup>	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Tetrasodium pyrophosphate*	N/A	N/A	N/A	N/A	N/A	5	N/A	5

\* 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> EH40 Workplace exposure limits, Health & Safety Executive  
<sup>4</sup> Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants

**Biological limit values**  
 No biological exposure limits noted for the ingredient(s).

**Derived No Effect Level (DNEL) according to Regulation (EC) No 1907/2006:**

**Workers**  
 Not available

**Predicted No Effect Concentration (PNEC) according to Regulation (EC) No 1907/2006:**

Not available

**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:** None

**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>	grease	<b>Odour</b>	mild
<b>Colour</b>	off-white	<b>Odour threshold</b>	not determined
<b>Initial boiling point</b>	not applicable	<b>Vapour pressure @ 20°C</b>	not determined
<b>Melting point</b>	not applicable	<b>% Aromatics by weight</b>	not determined
<b>% Volatile (by volume)</b>	not determined	<b>pH</b>	not applicable
<b>Flash point</b>	> 115°C (> 239°F)	<b>Relative density</b>	0.91 kg/l
<b>Method</b>	PM Closed Cup	<b>Weight per volume</b>	7.56 lbs/gal.
<b>Viscosity</b>	700 cSt @ 40°C (base oil)	<b>Coefficient (water/oil)</b>	not determined
<b>Autoignition temperature</b>	not applicable	<b>Vapour density (air=1)</b>	> 1
<b>Decomposition temperature</b>	not determined	<b>Rate of evaporation (ether=1)</b>	< 1
<b>Upper/lower flammability or explosive limits</b>	not determined	<b>Solubility in water</b>	insoluble
<b>Flammability (solid, gas)</b>	not determined	<b>Oxidising properties</b>	not determined
<b>Explosive properties</b>	not determined		

**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 = 120,296 mg/kg

Substance	Test	Result
Tetrasodium pyrophosphate	LD50, rat	1,624 mg/kg

<b>Dermal:</b>	Not expected to cause toxicity.						
	<table border="1"> <thead> <tr> <th>Substance</th> <th>Test</th> <th>Result</th> </tr> </thead> <tbody> <tr> <td>Tetrasodium pyrophosphate</td> <td>LD50, rabbit</td> <td>7,940 mg/kg</td> </tr> </tbody> </table>	Substance	Test	Result	Tetrasodium pyrophosphate	LD50, rabbit	7,940 mg/kg
Substance	Test	Result					
Tetrasodium pyrophosphate	LD50, rabbit	7,940 mg/kg					
<b>Inhalation:</b>	Not expected to cause toxicity.						
<b>Skin corrosion/irritation:</b>	Prolonged or repeated skin contact may defat the skin and cause skin irritation.						
<b>Serious eye damage/irritation:</b>	Causes serious eye irritation.						
	<table border="1"> <thead> <tr> <th>Substance</th> <th>Test</th> <th>Result</th> </tr> </thead> <tbody> <tr> <td>Tetrasodium pyrophosphate</td> <td>Eye irritation, rabbit</td> <td>Serious eye damage/severe irritation</td> </tr> </tbody> </table>	Substance	Test	Result	Tetrasodium pyrophosphate	Eye irritation, rabbit	Serious eye damage/severe irritation
Substance	Test	Result					
Tetrasodium pyrophosphate	Eye irritation, rabbit	Serious eye damage/severe irritation					
<b>Respiratory or skin sensitisation:</b>	No known effects.						
<b>Germ cell mutagenicity:</b>	Tetrasodium pyrophosphate: based on available data, the classification criteria are not met.						
<b>Carcinogenicity:</b>	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).						
<b>Reproductive toxicity:</b>	Tetrasodium pyrophosphate: not expected to be reproductive toxicants.						
<b>STOT – single exposure:</b>	Tetrasodium pyrophosphate: not expected to cause toxicity.						
<b>STOT – repeated exposure:</b>	Tetrasodium pyrophosphate: based on available data, repeated exposures are not anticipated to cause significant adverse effects.						
<b>Aspiration hazard:</b>	Based on available data, the classification criteria are not met.						
<b>Other information:</b>	None known						
<b>SECTION 12: ECOLOGICAL INFORMATION</b>							
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.							
<b>12.1. Toxicity</b>							
Tetrasodium pyrophosphate: not expected to be harmful to aquatic organisms.							
<b>12.2. Persistence and degradability</b>							
Tetrasodium pyrophosphate: inorganic substance.							
<b>12.3. Bioaccumulative potential</b>							
Tetrasodium pyrophosphate: does not bioaccumulate.							
<b>12.4. Mobility in soil</b>							
Grease. Insoluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9).							
<b>12.5. Results of PBT and vPvB assessment</b>							
Not available							
<b>12.6. Other adverse effects</b>							
None known							
<b>SECTION 13: DISPOSAL CONSIDERATIONS</b>							
<b>13.1. Waste treatment methods</b>							
Incinerate absorbed material with a properly licensed facility. Check local, state and national/federal regulations and comply with the most stringent requirement.							
<b>SECTION 14: TRANSPORT INFORMATION</b>							
<b>14.1. UN number or ID number</b>							
<b>ADG/ADR/RID/ADN/IMDG/ICAO:</b>	NOT APPLICABLE						
<b>TDG:</b>	NOT APPLICABLE						
<b>US DOT:</b>	NOT APPLICABLE						
<b>14.2. UN proper shipping name</b>							
<b>ADG/ADR/RID/ADN/IMDG/ICAO:</b>	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. EU regulations**

**Authorisations under Title VII:** Not applicable

**Restrictions under Title VIII:** None

**Other EU regulations:** None

**15.1.2. National regulations****US EPA SARA TITLE III**

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

Eye irritation: None

**Other national regulations:** None

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**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  
 CLP: Classification Labelling Packaging Regulation (1272/2008/EC)  
 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  
 PBT: Persistent, Bioaccumulative and Toxic substance  
 (Q)SAR: Quantitative Structure-Activity Relationship  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (1907/2006/EC)  
 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  
 vPvB: very Persistent and very Bioaccumulative substance  
 WEL: Workplace Exposure Limit  
 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)  
 Swedish Chemicals Agency (KEMI)  
 U.S. National Library of Medicine Toxicology Data Network (TOXNET)

**Procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 [CLP] / GHS:**

Classification	Classification procedure
Eye Irrit. 2, H319	Calculation method

**Relevant H-statements:** H302: Harmful if swallowed.  
 H318: Causes serious eye damage.  
 H319: Causes serious eye irritation.

**Hazard pictogram names:** Exclamation mark

**Further information:** None

**Date of last revision:** 9 November 2021

**Changes to the SDS in this revision:** Sections 1.3, 2.1, 2.2, 3, 8.1, 11, 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.