

## SAFETY DATA SHEET

in accordance with 2020/878/EU (REACH, Annex II) 29 CFR 1910.1200, WHMIS 2022 and Safe Work Australia

**Revision:** 15 January 2025

**Date of previous issue:** 7 April 2022

**SDS No.** 466B-4

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

#### 1.1. Product identifier

610 Plus Synthetic Lubricating Fluid (Bulk)

**Unique Formula Identifier (UFI):** Not available

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

**Relevant identified uses:** Synthetic Base Lubricant. For the lubrication of equipment operating at temperatures to 270°C (518°F).

**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  
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 2022 / Safe Work Australia / GHS

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, 29 CFR 1910.1200, WHMIS 2022 and GHS. However, a safety data sheet is being supplied for it on request as it contains at least one substance posing human health or environmental hazards.

##### 2.1.2. Additional information

None

#### 2.2. Label elements

**Labelling according to Regulation (EC) No 1272/2008 [CLP] / 29 CFR 1910.1200 / WHMIS 2022 / Safe Work Australia / GHS**

**Hazard pictograms:** None

**Signal word:** None

**Hazard statements:** None

**Precautionary statements:** None

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./<br>EC No.      | REACH<br>Reg. No. | CLP/GHS Classification  | SCL, M-factor, ATE                                     |
|---|-------|-------------------------|-------------------|---|--|
| Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates | 0-2   | 80939-62-4<br>279-632-6 | NA                | Eye Irrit. 2A, H319<br>Skin Irrit. 2, H315<br>Aquatic Chronic 2, H411 | ATE (oral): > 5000 mg/kg<br>ATE (dermal): > 2000 mg/kg |

<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 2022
- Safe Work Australia

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

**Inhalation:** Remove person to fresh air and keep comfortable for breathing. Call a physician if you feel unwell.

**Skin contact:** Wash skin with soap and water. Remove contaminated clothing. Consult physician if irritation develops.

**Eye contact:** Flush eyes for at least 15 minutes with large amounts of water. Consult physician if irritation develops.

**Ingestion:** If person is conscious, rinse mouth with water. Do not induce vomiting. Contact physician.

**Protection of first-aiders:** 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**

Direct contact may cause mild eye irritation.

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

Treat symptoms.

**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media****Suitable extinguishing media:** Carbon dioxide, dry chemical, alcohol-resistant foam, water fog**Unsuitable extinguishing media:** Water jets**5.2. Special hazards arising from the substance or mixture****Hazardous combustion products:** oxides of Carbon, Nitrogen and Phosphorus.**Other hazards:** Container may rupture from gas generation when exposed to intense heat.**5.3. Advice for firefighters**

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**

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. Surface may be slippery. 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. As with any product involved with moving equipment, care is recommended. If in doubt, stop equipment prior to application. Wash work clothes separately from other clothing.

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

Store in a cool, dry and well-ventilated 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> |
| Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates | N/A                   | N/A               | N/A                    | N/A               | N/A                 | N/A               | N/A                       | N/A               |

<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 using under extreme heat or creating mist, use local exhaust.

**8.2.2. Individual protection measures**

**Respiratory protection:** Not normally needed. In case of insufficient ventilation, use a half or full-face respirator with combined dust/organic vapour filter (EN filter type A/P).

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

**Eye and face protection:** Safety glasses

**Other:** Long sleeves, long pants and good personal hygiene to minimize 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>               | liquid                 | <b>pH</b>                              | not applicable |
| <b>Colour</b>                       | clear, yellow to amber | <b>Kinematic viscosity</b>             | 68 cst @ 40°C  |
| <b>Odour</b>                        | mild                   | <b>Solubility in water</b>             | insoluble      |
| <b>Odour threshold</b>              | no data available      | <b>Partition coefficient</b>           | not applicable |
|                                     |                        | <b>n-octanol/water (log value)</b>     |                |
| <b>Boiling point or range</b>       | not determined         | <b>Vapour pressure @ 20°C</b>          | not determined |
| <b>Melting point/freezing point</b> | < - 40°C               | <b>Density and/or relative density</b> | 0.99 kg/l      |
| <b>% Volatile (by volume)</b>       | none                   | <b>Weight per volume</b>               | 8.26 lbs/gal   |
| <b>Flammability</b>                 | no data available      | <b>Vapour density (air=1)</b>          | > 1            |
| <b>Lower/upper flammability</b>     | not determined         | <b>Rate of evaporation (ether=1)</b>   | < 1            |
| <b>or explosion limits</b>          |                        |  |                |
| <b>Flash point</b>                  | 300°C (572°F, typical) | <b>% Aromatics by weight</b>           | not determined |
| <b>Method</b>                       | Cleveland Open Cup     | <b>Particle characteristics</b>        | not applicable |
| <b>Autoignition temperature</b>     | not determined         | <b>Explosive properties</b>            | not applicable |
| <b>Decomposition temperature</b>    | not determined         | <b>Oxidising properties</b>            | not applicable |

**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

**10.3. Possibility of hazardous reactions**

No dangerous reactions known under conditions of normal use.

**10.4. Conditions to avoid**

None known

**10.5. Incompatible materials**

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

**10.6. Hazardous decomposition products**

Thermal decomposition may produce oxides of Carbon, Nitrogen and Phosphorus.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 / GHS****Primary route of exposure under normal use:** Skin and eye contact.**Acute toxicity -****Oral:** ATE-mix > 2,000 mg/kg**Dermal:** ATE-mix > 2,000 mg/kg**Inhalation:** No information available**Skin corrosion/irritation:** Not irritating**Serious eye damage/irritation:** Direct contact may cause mild eye irritation.**Respiratory or skin sensitisation:** No known effects.**Germ cell mutagenicity:** No known effects.**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:** No information available

**STOT – single exposure:** No information available

**STOT – repeated exposure:** No information available

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

#### 11.2. Information on other hazards

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

96 h LC50 (fish) > water solubility limit. 48 h EC50 (for daphnia) > water solubility limit.

#### 12.2. Persistence and degradability

Not readily biodegradable.

#### 12.3. Bioaccumulative potential

Not expected to bioaccumulate.

#### 12.4. Mobility in soil

Liquid. Insoluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9).

#### 12.5. Results of PBT and vPvB assessment

Not available

#### 12.6. Endocrine disrupting properties

None known

#### 12.7. 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. Unused product is not classified as a hazardous waste according to 2008/98/EC.

### 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. 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:

None

None

TSCA: All components are listed or exempted.

**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  
 SCL: Specific Concentration Limit  
 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 |
|----------------|--------------------------|
| Not applicable | Not applicable           |

**Relevant H-statements:** H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H411: Toxic to aquatic life with long lasting effects.

**Hazard pictogram names:** Not applicable

**Further information:** None

**Date of last revision:** 15 January 2025

**Changes to the SDS in this revision:** Sections 1.2, 1.3, 2.1, 9.1, 15.1.2, 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.