



## SAFETY DATA SHEET

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

**Revision date:** 4 November 2019

**Initial date of issue:** 14 July 2015

**SDS No.** 466B-2

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

#### 1.1. Product identifier

610 Plus Synthetic Lubricating Fluid (Bulk)

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

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

#### 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 / 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 2015 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. Australian statement of hazardous nature

Not classified as hazardous according to criteria of Safe Work Australia.

##### 2.1.3. Additional information

None

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No 1272/2008 [CLP] / 29 CFR 1910.1200 / WHMIS 2015 / 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./ EC No.	REACH Reg. No.	CLP/GHS Classification
Amines, C11-14-branched alkyl, monoethyl and diethyl phosphates	0-2	80939-62-4 279-632-6	NA	Eye Irrit. 2A, H319 Skin Irrit. 2, H315 Aquatic Chronic 2, H411

Other ingredients:

Stabilized synthetic DPE ester	98-100	67762-52-1 267-021-7	NA	Not classified
--------------------------------	--------	-------------------------	----	----------------

<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 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**

Container may rupture from gas generation when exposed to intense heat. Hazardous combustion products may include: oxides of Carbon, Nitrogen and Phosphorus.

**5.3. Advice for firefighters**

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

**Flammability Classification:** –**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
Stabilized synthetic DPE ester	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**

Not available

**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. If needed, use approved organic vapor/oil mist respirator.

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

<b>Physical state</b>	liquid	<b>Odour</b>	mild
<b>Colour</b>	clear, yellow to amber	<b>Odour threshold</b>	no data available
<b>Initial boiling point</b>	not determined	<b>Vapour pressure @ 20°C</b>	not determined
<b>Melting point</b>	< - 40°C	<b>% Aromatics by weight</b>	not determined
<b>% Volatile (by volume)</b>	none	<b>pH</b>	not applicable
<b>Flash point</b>	> 270°C (> 518°F)	<b>Relative density</b>	0.99 kg/l
<b>Method</b>	Cleveland Open Cup	<b>Weight per volume</b>	8.26 lbs/gal
<b>Viscosity</b>	68 cst @ 40°C	<b>Coefficient (water/oil)</b>	< 1
<b>Autoignition temperature</b>	not determined	<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 applicable	<b>Oxidising properties</b>	not applicable
<b>Explosive 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**

No unusual decomposition products known.

**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 > 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).

<b>Reproductive toxicity:</b>	No information available
<b>STOT – single exposure:</b>	No information available
<b>STOT – repeated exposure:</b>	No information available
<b>Aspiration hazard:</b>	Based on available data, the classification criteria are not met.
<b>Other information:</b>	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. 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**

**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. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

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:**

None

**313 Chemicals:**

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**

<b>Abbreviations and acronyms:</b>	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 <a href="http://www.wikipedia.org">www.wikipedia.org</a> .
<b>Key literature references and sources for data:</b>	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:** 4 November 2019

**Changes to the SDS in this revision:** Sections 1.3, 3, 4.1, 4.2, 5.1, 5.2, 8.1, 10.5, 11, 12.1, 12.2, 12.3.

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.