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

Revision date: 1 February 2021  Initial date of issue: 23 October 2020  SDS No. 475-1

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

1.1. Product identifier
650 AML (Advanced Machinery Lubricant)

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use on air misting and pneumatic systems, chains.

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
E-mail (SDS questions): ProductSDSs@chesterton.com
E-mail: 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
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.

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
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 Ingredients¹ | % Wt. | CAS No./EC No. | REACH Reg. No. | CLP/GHS Classification
---|---|---|---|---
None

• 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. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

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. Contact physician if irritation persists.

Ingestion: Do not induce vomiting. If person is conscious, rinse mouth with water. If vomiting occurs, keep head lower than hips to prevent aspiration. Contact physician.

Protection of first-aiders: No special precautions.

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

Direct contact may cause mild eye irritation. Mists may cause irritation of the respiratory tract.

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 spray

Unsuitable extinguishing media: High volume water jet

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. Do not allow runoff from firefighting to enter drains or water courses.

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. Wash walking surfaces with detergent and water to reduce slipping hazard.
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.

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 specific recommendations.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>OSHA PEL¹ ppm</th>
<th>mg/m³</th>
<th>ACGIH TLV² ppm</th>
<th>mg/m³</th>
<th>UK WEL³ ppm</th>
<th>mg/m³</th>
<th>AUSTRALIA ES⁴ ppm</th>
<th>mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Inhalable fraction and vapor
¹ United States Occupational Health & Safety Administration permissible exposure limits
² American Conference of Governmental Industrial Hygienists threshold limit values
³ EH40 Workplace exposure limits, Health & Safety Executive
⁴ 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
None

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No 1907/2006:
None

8.2. Exposure controls

8.2.1. Engineering measures
If vapors or mists are produced, provide adequate ventilation.

8.2.2. Individual protection measures
Respiratory protection: Not normally needed. In case of insufficient ventilation, wear suitable respiratory equipment (e.g., 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid</td>
<td></td>
</tr>
<tr>
<td>Colour</td>
<td>clear yellow</td>
<td></td>
</tr>
<tr>
<td>Initial boiling point</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Melting point</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>% Volatile (by volume)</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>211°C (412°F)</td>
<td></td>
</tr>
<tr>
<td>Method</td>
<td>PM Closed Cup</td>
<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td>20.37 cSt @ 40°C</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Odour</td>
<td>characteristic</td>
<td></td>
</tr>
<tr>
<td>Odour threshold</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Vapour pressure @ 20°C</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>% Aromatics by weight</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>not applicable</td>
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</tr>
<tr>
<td>Relative density</td>
<td>0.899 kg/l</td>
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</tr>
<tr>
<td>Weight per volume</td>
<td>7.5 lbs/gal</td>
<td></td>
</tr>
<tr>
<td>Coefficient (water/oil)</td>
<td>&gt; 1</td>
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</tr>
<tr>
<td>Vapour density (air=1)</td>
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<td></td>
</tr>
<tr>
<td>Rate of evaporation (ether=1)</td>
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</tr>
<tr>
<td>Solubility in water</td>
<td>miscible</td>
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</tr>
<tr>
<td>Oxidising properties</td>
<td>not determined</td>
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</tr>
</tbody>
</table>

#### 9.2. Other information

None

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

None known

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under conditions of normal use.

#### 10.4. Conditions to avoid

Moisture and extreme heat.

#### 10.5. Incompatible materials

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

#### 10.6. Hazardous decomposition products

No additional hazardous decomposition products were identified other than the combustion products identified in Section 5 of this SDS.

### 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:** Non-irritating

**Serious eye damage/irritation:** Direct contact may cause mild eye irritation.

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

**Germ cell mutagenicity:** No known significant 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 known significant effects.
STOT – single exposure: No known significant effects.
STOT – repeated exposure: No known significant effects.
Aspiration hazard: No known significant effects.
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
The product is readily biodegradable to OECD criteria.

12.3. Bioaccumulative potential
No information available

12.4. Mobility in soil
Liquid. Miscible 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
Unused product is not a regulated hazardous waste. Check local, state and national/federal regulations and comply with the most stringent requirement. Not classified as hazardous 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: None
Restrictions under Title VIII: None

Other EU regulations:

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

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.

Key literature references and sources for data:

- Commission des normes, de l'équité, de la santé et de la sécurité du travail (CINESST)
- 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:

<table>
<thead>
<tr>
<th>Classification</th>
<th>Classification procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Relevant H-statements: None
Hazard pictogram names: Not applicable
Further information: None

Date of last revision: 1 February 2021
Changes to the SDS in this revision: Sections 1.3, 2.1, 2.2, 3, 8.1, 8.2.1, 8.2.2, 9.1, 12.2, 12.5, 13, 15.1, 15.2, 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.