SAFETY DATA SHEET
PAO OIL
Revision Date: May 7, 2015
Supersedes: April 18, 2012 Version: 2.0

Section 1 – Identification of the Substance/Mixture and of the Company/Undertaking

Product name: PAO OIL; PAO OIL WITH UV DYE
Part Numbers: 51105, 51110; 51111 (with UV dye)
Product Use: Refrigeration compressor lubricant
Manufacturer: Cliplight Manufacturing
961 Alness Street
Toronto, ON M3J 2J1, Canada
email: sales@cliplight.com
Telephone: +1 416 736 9036

Emergency Telephone: +1 613 996 6666 (Canutec)

Section 2 – Hazards Identification

GHS Classification
These products are not classified as hazardous under the GHS, 29 CFR 1910.1200, WHMIS 2015 or (EC) No 1272/2008.

Precautionary statements:
P280 Wear protective gloves and eye protection.

Section 3 – Composition/Information on Ingredients

No component of these products is classified as hazardous under the GHS, 29 CFR 1910.1200, WHMIS 2015 or (EC) No 1272/2008.

Section 4 – First-Aid Measures

Inhalation
Supply fresh air; consult a doctor in case of complaints.

Skin contact
Remove any affected clothing and wash exposed skin with soap and water and rinse thoroughly.

Eye contact
Rinse opened eye immediately with plenty of water for several minutes. If symptoms persist, consult a doctor.

Ingestion
Do not induce vomiting; immediately call for medical help.

Other Symptoms
None known.
Section 5 – Fire-Fighting Measures

Extinguishing media
Do not use a water stream. Use foam, carbon dioxide, dry chemical or water spray.

Special hazards arising from the substance or mixture
In combustion emits toxic fumes. Product has a lower density than water and will float on a water surface.

Advice for firefighters
Wear self-contained breathing apparatus as required. Cool fire-exposed containers with a water spray.

Section 6 – Accidental Release Measures

Personal precautions
Wear chemical-resistant gloves and chemical safety goggles or safety glasses with side shields.

Environmental precautions
Shut off all sources of ignition. Ensure adequate ventilation. Avoid runoff to sewers and waterways.

Methods and materials for containment and cleaning up
Cover spill with dry-lime, sand, or soda ash. Place in covered containers using non-sparking tools. Treat or dispose of waste material in accordance with all local, state, provincial and national requirements.

Section 7 – Handling and Storage

Precautions for safe handling
Handle in accordance with good industrial hygiene and safety practices.

Conditions for safe storage
Keep container closed. Keep away from heat, sparks and open flame.

Section 8 – Exposure Controls/Personal Protection

Control Parameters
No components of these products have listed occupational exposure limits.

Engineering Controls
Normal good room ventilation should be sufficient.

Protective Equipment
Wear chemical-resistant gloves, nitrile is recommended, and chemical safety goggles or safety glasses with side shields.

Hygiene
Handle in accordance with good industrial hygiene and safety practices. Wash hands after use.
Section 9 – Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>51105, 51110: Clear liquid or yellow tint</td>
</tr>
<tr>
<td></td>
<td>51111: Liquid with yellow-green tint</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point/boiling range</td>
<td>&gt;250°C (482°F)</td>
</tr>
<tr>
<td>Flash point</td>
<td>246-271°C (475-520°F)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability or explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Negligible</td>
</tr>
<tr>
<td>Partition coefficient:</td>
<td>No data available</td>
</tr>
<tr>
<td>n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>60.79-71.39 cSt @40°C (104°F)</td>
</tr>
</tbody>
</table>

Section 10 – Stability and Reactivity

Reactivity
Not reactive under normal conditions.

Chemical stability
Stable under conditions of recommended storage.

Possibility of hazardous reactions
None likely

Conditions to avoid
Direct sunlight; extremely high or low temperatures

Incompatible materials
Strong acids and bases

Hazardous decomposition products
In combustion, forms carbon dioxide/monoxide.

Section 11 – Toxicological Information

Acute toxicity
No data available

Skin corrosion/irritation
No data available

Serious eye damage/irritation
No data available
Respiratory or skin sensitization
No data available

Germ cell mutagenicity
No data available

Carcinogenicity
Not identified as a carcinogen by IARC

Reproductive toxicity
No data available

Specific target organ toxicity
No data available

Aspiration Hazard
No data available

Potential Health Effects:
Inhalation: At normal temperatures this product does not present an inhalation hazard because of its low volatility. Avoid breathing oil mists.
Eye contact: Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.
Skin contact: Unlikely to cause harm to the skin on brief or occasional contact, but prolonged or repeated exposure may lead to dermatitis.
Ingestion: Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may produce a laxative effect.

Section 12 – Ecological Information

Aquatic toxicity
No data available

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects
No data available

Section 13 – Product Disposal

Product
Contact a licensed professional waste disposal service to dispose of this material. Observe all local, state, provincial and national requirements.

Contaminated packaging
Dispose of as product.
Section 14 – Transport Information

DOT/IMDG/IACO/IATA/TDG

This product is non-regulated.

Section 15 – Regulatory Information

All components of this product are listed in the U.S. Toxic Substances Control Act (TSCA) Inventory.

All components of this product are on the Canadian Domestic Substances List (DSL).

All components of this product are on or in compliance with the Australian Inventory of Chemical Substances (AICS) Inventory.

A chemical safety assessment has not been carried out for this product.

Section 16 – Other Information

HMIS CLASSIFICATION

<table>
<thead>
<tr>
<th>Classification</th>
<th>Number</th>
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<tbody>
<tr>
<td>Health Hazard</td>
<td>0</td>
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<tr>
<td>Flammability</td>
<td>1</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
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Notes on this revision

This version 2.0 (May 7, 2015) has been updated from the version of April 18, 2012 to meet the requirements of the GHS, OSHA Hazard Communications Standard 2012, WHMIS 2015 and (EU) No 453/2010 from June 1, 2015.

The classification of the product is unchanged and no substantive changes have been made to the description of the product or to instructions for its safe use, transportation, handling and storage.

All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.