CLIPLIGHT

# *Material Safety Data Sheet*

**Date of Preparation:** April 18, 2012

## Section 1 – Chemical Product and Company Identification

**Product name:** PAO OIL; PAO OIL WITH UV DYE
**Part Number(s):** 51105, 51110; 51111
**Product Use:** Refrigeration compressor lubricant
**Manufacturer:** Cliplight Manufacturing
961 Alness Street
Toronto, ON M3J 2J1, Canada
**Telephone:** +1 416 736 9036 or 1- 800-526-7096 **Emergency Telephone:** +1 416 736 9036 or 800-526-7096

## Section 2 – Hazards Identification

**Potential Health Effects:**

**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.
**Inhalation:** At normal temperatures this product does not present an inhalation hazard because of its low volatility. Avoid breathing oil mists.

**HMIS CLASSIFICATION**

| | |
|---|---|
| **Health Hazard:** | 0 |
| **Flammability:** | 0 |
| **Physical Hazards:** | 0 |

**WHMIS Classification**
Not controlled

**GHS Classification:**
Nonhazardous

**Precautionary statements:**
P280 Wear protective gloves and eye protection

## Section 3 – Composition/ Information on Ingredients

This product contains no hazardous ingredients.

## Section 4 – Emergency and First Aid Procedures

**Eyes:** Flush with clean, lukewarm water (low pressure) occasionally lifting eyelids. Get medical advice if irritation persists.
**Skin:** Wash affected areas thoroughly with soap and water. Wash contaminated clothing before reuse.
**Inhalation:** Remove to fresh air. Give artificial respiration if not breathing. Oxygen may be given by qualified personnel if breathing is difficult. Get medical attention.
**Ingestion:** Do not induce vomiting. Force fluids.

## Section 5 – Fire Fighting Measures

**Flash Point:** 227°C (437°F)
**Extinguishing media:** Use dry chemical foam, water spray, carbon dioxide for small fires.
**Fire Fighting Procedures:** Contain liquid, cover with extinguishing agent, use water spray to cool fire exposed containers and as protective screen. To avoid spreading, do not point solid water stream directly into burning fluid.
**Special Protective Equipment**: Wear self-contained breathing apparatus and full protective gear.
**Exposure hazards:** Combustion produces COx, SOx, NOx, organic pyrolysis components.
**Unusual Hazards:** Product is insoluble in water and has a lower specific gravity than water; product will float on water surface. Vapours are denser than air and will have a tendency to accumulate in lower areas which can cause the vapours to concentrate.

## Section 6 – Spill, Leak, and Disposal Procedures

**Personal precautions:** Wear safety glasses with side shields or goggles and protective gloves. Wear suitable protective clothing.
**Environmental precautions:** Do not allow to enter drains, sewers or waterways.
**Clean-up procedures:** Evacuate the spill area. Floor may be slippery if product has wetted the floor; use care to avoid falling. Contain spill, absorb with inert absorbent such as dry clay, sand, diatomaceous earth, commercial sorbents. Scoop up used absorbents into approved receptacles.
**Waste Disposal:** Dispose in approved secure landfill site or through a licensed waste reclaimer.

## Section 7 – Handling and Storage

**Handling requirements:** Handle in accordance with good industrial hygiene and safety practices.
**Storage Conditions:** Recommend storage below 40°C (104°F).

## Section 8 – Exposure Controls/ Personal Protection

**Ventilation**: Normal local exhaust ventilation should be sufficient.
**Eye protection:** Wear safety glasses with side shields or goggles. Ensure eye bath is nearby.
**Skin Protection:** PVC or Nitrile gloves are recommended.

## Section 9 – Physical and Chemical Properties

| | |
|---|---|
| Appearance | clear liquid or yellow tint |
| Odour | hydrocarbon |
| Odour threshold | No data available |
| pH | Not applicable |
| Melting point/freezing point | Not applicable |
| Initial boiling point/ boiling range | >300°C (>570°F) |
| Flash point | 227°C (437°F) |
| Evaporation rate | No data available |
| Flammability or explosive limits | No data available |
| Vapour pressure | <0.001 kPa (0.00001 psia) @ 25°C |
| Vapour density | No data available |
| Specific Gravity | 0.85 – 0.89 |
| Solubility | Negligible |
| Partition coefficient: n-octanol/water | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Viscosity | ISO 68 |

## Section 10 – Stability and Reactivity

**Stability:** Product is stable.
**Hazardous Polymerization:** Will not occur.
**Materials to avoid:** Strong oxidizers
**Hazardous decomposition products:** Carbon monoxide, carbon dioxide, and other undefined fragments when burned.

## Section 11– Toxicological Information

LD50 > 5000 mg /kg (rat: oral). Negative when tested by modified Ames test for carcinogenicity.

## Section 12– Ecological Information

**Biodegradability:** Biodegradable: CEC L33T82 > 80% @ 45 Days

## Section 13– Product Disposal

**Disposal of product:** Product (including used) must be disposed of in accordance with federal, state, and local environmental control regulations. Incineration is preferred.

**Disposal of Containers:** Do not heat or cut empty containers with electric or gas torch.

## Section 14 –Transport Information

**DOT/IMDG/IACO/IATA**
Not regulated for land, sea or air transport

## Section 15 –Regulatory Information

The product is nonhazardous

## Section 16 –Other Information

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.