Safety Data Sheet in accordance with Regulation (EU) No. 453/2010 and OSHA 29 CFR 1910.1200 HCS

PL-MHO 400W

1. Identification of the Substance/ Mixture and of the Company/ Undertaking

Product Name: PL-MHO 400W

Preparation Date: June 8, 2015
Revision Date: September 1, 2015

Recommended Use: Metalworking Cutting Fluid

Supplier: MONROE FLUID TECHNOLOGY
36 Draffin Road,
Hilton, NY 14468

Phone: 800-828-6351
EMERGENCY NUMBERS: CHEMTREC (800) 424-9300

2. Hazards Identification

GHS Classification: Not classified as hazardous

GHS Labeling:

Symbols: None

Signal Word: None

Precautionary Statements: None

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] and OSHA 29 CFR 1910.1200 HCS: Not classified as hazardous

Other Hazards Not Classified: No significant hazards

3. *Composition/Information on Ingredients*

Mixture: Base oil and additives.

Chemical Name	CAS Number	Concentration, Wt. %
Base oils	Varies	Trade secret

4. First Aid

Inhalation: If inhaled, move to fresh air. If victim has stopped breathing give artificial respiration, preferably, mouth to mouth. Contact a physician immediately.

Eyes: Flush with large amounts of cold water for at least 15 minutes. Do not let victim rub eyes. If irritation develops, contact a physician immediately.

Ingestion: Do not induce vomiting. Contact a physician immediately.

Skin: Wash affected area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use. Contact a physician if irritation develops

5. Fire-fighting Measures

Suitable extinguishing media: Use no water. Treat as an oil fire. Use carbon dioxide, foam, sand or sodium bicarbonate.

Specific hazards: None

Specific protective equipment and precautions for fire fighters: Isolate fire area and deny unnecessary entry. Use dry chemical, alcohol foam or carbon dioxide. Water may be ineffective but should be used to keep fire exposed containers cool. If a spill or a leak has not ignited, use water spray to disperse the vapors. Water spray may be used only to keep fire exposed containers cool, protect personnel attempting to stop leak and disperse vapors.

Unusual Fire and Explosion Hazards: None

Flammability Properties:

Flash point: 355°F
Method Used: COC

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:
Use personal protective equipment. Ensure adequate ventilation.

Environmental Precautions: Do not allow spilled material to enter sewers or streams. If material is released, indicate that there is a risk of slipping in the area. If spills are likely to enter any drain, waterway or groundwater, contact the appropriate governmental agency.

Methods and materials for containment: Add dry material to absorb (if large spill, dike to contain). Using recommended protective equipment, pick up bulk of spill and containerize for recovery or disposal. Flush area with water to remove residues.

7. Handling and Storage

Precautions for safe handling: Read label for instructions in use of product. Prevent small spills and leakage to avoid slip hazard. Avoid contact with skin, eyes and clothing. Do not wear contact lenses when handling this product. Keep out of the reach of children. Wash thoroughly after handling. Material can accumulate static charges which may cause an electrical spark (ignition source).

Conditions for safe storage: Store in closed containers in a cool, dry well ventilated area not exposed to sunlight. Maintain closure of bungs. Do not reuse container. Avoid container damage while storing. Do not allow material to be stored below O°C. Do not allow material to freeze.
Empty containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, bronze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition; they may explode and cause injury or death. Do not attempt to refill containers since residue is difficult to remove. Empty drums should be completely drained, properly bunged and returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner in accordance with governmental regulations.

8. Exposure Controls/Personal Protection

Control parameters:

Exposure Guidelines: Base oil: (Mist) OSHA PEL: 5 mg/m^3

Appropriate engineering controls: Proper protection and controls is dependent upon the potential exposure conditions. No special requirements are needed under ordinary conditions where adequate ventilation is available.

Individual protective measures:

Respiratory protection: General room ventilation should be satisfactory. Exhaust ventilation may be necessary if misting is generated.

Eye protection: Safety glasses with shields or chemical goggles are required. Contact lenses should not be worn if the product could be splashed into the eyes.

Hand protection: Rubber gloves are required for single, short duration exposures and for prolonged or repeated exposures.

Body protection: For single, short duration and for prolonged or repeated exposures to the skin, wear impervious, protective clothing including rubber safety shoes to avoid skin contact.

9. Physical and Chemical Properties

Appearance: Clear Amber liquid
Odor: Petroleum
Odor Threshold: N/A
Solubility in water: Nil
pH : Not applicable
Melting point/freezing point: Not determined
Initial boiling point and boiling range: Not determined
Flash Point (COC): 355°F
Evaporation Rate: Not determined
Flammability (Solid, Gas): Not determined
Upper/lower flammability or explosive limits: UEL: Not determined LEL: Not determined
Vapor pressure: <1 mm Hg @ 20ºC
Vapor density: >1
Relative density: 0.93 +/-0.01
Partition coefficient n-octanol/water: N/A
Autoignition Temperature: No data available
Decomposition Temperature: Not determined
Viscosity: 65 – 80 cSt@40°C

10. Stability and Reactivity

Chemical stability: Stable at normal conditions
Possibility of hazardous reactions: Not expected and hazardous polymerization will not occur
Conditions to avoid: Excessive Heat.
Incompatible Materials: None known.
Hazardous decomposition products: Oxides of carbon, sulfur, nitrogen and chlorine.

11. Toxicological Information

Inhalation: Short-term inhalation of concentrated mist/vapor from product may cause dizziness, nausea and respiratory tract irritation in some individuals. Single exposure to oily mist/vapors is not expected to cause acute toxicity.

Skin: Prolonged or repeated contact may cause mild irritation of the skin.

Eyes: Contact may cause mild irritation

Oral: Low oral toxicity. Ingestion may have laxative effect.

Systemic (other target organ) Effects: None known

Teratology (birth defects): None known

Reproductive Effects: None known

Mutagenicity (effects on genetic material): None known

Carcinogenicity: IARC: No NTP: No OSHA: No

12. Ecological Information

Persistence and degradability: Data is not available.

13. Disposal Considerations

Disposal methods: P501: Dispose of contents/ container to an approved waste disposal plant
Dispose of in accordance with federal, state and local regulations

Precaution for disposal: All recovered material should be packaged, labeled, transported and disposed or reclaimed in conformance with Good Engineering Practices. Comply with all applicable governmental regulations. Avoid landfilling of liquids. Reclaim where possible.

14. Transport Information

US DOT: Not regulated by the US DOT
RID/ADR: Not regulated by RID/ADR
IMO: Not regulated by IMO
IATA: Not regulated by IATA

15. Regulatory Information

US TSCA: In compliance with the inventory
Canada DSL: In compliance with the inventory
Cal. Prop. 65 This product does not intentionally contain any chemicals known by the State of California to cause cancer and/or birth defects. Moreover, we do not routinely analyze its products for impurities which may be such chemicals.

SARA Section 313 This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.
VOC Content (SCAQMD ASTM 1868-10): This product exceeds South Coast Air Quality Management District (SCAQMD) limits for VOC per ASTM E-1868-10 and may not be offered for sale or use within that district.

16. Other Information

Special Precautions to be Taken in Handling and Storage:

Normal precautions common to good manufacturing practices should be followed in handling and storing. Store away from food. Wash hands before eating, drinking or smoking. Use as directed.

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