Material Safety Data Sheet

Section 1 – Chemical Product and Company Identification

Product Name: MicroPoly® MPI-2000

Product Use: Lubrication with oil-containing polymer

Manufacturer:

PhyMet, Inc.
75 N. Pioneer Blvd.
Springboro, OH 45066 937-743-8061
www.micropolylubricants.com

Section 2 – Composition/Information on Ingredients

Ingredients:

Ingredient	%	CAS Number
Severely hydro treated paraffinic oil, solvent refined heavy paraffinic distillate & additives	Less than 45	Mixture
High Molecular Weight Polyethylene	< 55	9002-88-4
Synthetic Hydrocarbons & Additives	< 55	Mixture
Red Pigment	< 0.5	1306-23-6
Proprietary Additive	< 1.0	Mixture

Section 3 – Hazards Identification

Potential Health Effects: The oil in this product is non-irritating to slight transient irritation to skin and eyes, but permanent damage is not expected. Relatively non-toxic via ingestion. This product has a low vapor pressure and is not expected to present an inhalation exposure at ambient conditions. Upon heating to high temperatures, or mechanical actions that may produce vapors or mists, inhalation of product may cause irritation of the breathing passages. For additional information, refer to Section 11.

Section 4 – First Aid Measures

Skin Contact: Wash the contaminated skin gently and thoroughly with running water and non-abrasive soap.

Eye Contact: IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.

Inhalation: Evacuate the victim to a safe area as soon as possible. If the victim is not breathing, perform artificial respiration. Allow the victim to rest in a well-ventilated area. Seek medical attention.

Ingestion: DO NOT induce vomiting because of danger of aspirating liquid into lungs. Seek medical attention.

Section 5 – Fire Fighting Measures

Flammable:	May be combustible at high temperature
Flashpoint:	410°F (oil, COC)
Extinguishing Media:	Water fog, foam, carbon dioxide, dry chemical
Hazardous Combustion Products:	Burning oil and polymer will produce carbon dioxide, carbon monoxide, nitrogen oxides, smoke, and irritating vapors.

Section 6 – Accidental Release Measures

Leak and Spill Procedures:	Contain spill and prevent oil from entering sewers or any body of water. Spill may create slipping hazards. Clean up as soon as possible. Absorbent materials and pads can be used. Comply with existing laws. Only limited and localized damage is expected by the release of small quantities of oil.

Section 7 – Handling and Storage

Handling Procedures and Equipment:	Keep containers closed. Store and handle in a manner to prevent contamination from any source. Wash hands and face after handling to avoid transfer of oil onto cigarettes, tobacco, and/or food.

Section 8 – Exposure Control/Personal Protection

Engineering Controls:	Minimize exposure with good hygiene practices and adequate ventilation. Avoid extreme heat or open flame.

Section 9 – Physical and Chemical Properties

Physical State:	Porous solid – oil filled pores Red – oily surface
Odor:	Oil odor
Specific Gravity:	< 1.0 (~. 95)
Vapor Pressure:	N/A
Boiling Point:	N/A
Melting Point:	Softens above 400°F
Solubility in water:	Not soluble in water

Section 10 – Stability and Reactivity

Chemical Stability:	Stable under ordinary conditions of use and storage
Incompatibility with other Substances:	None
Reactivity:	Product is stable and will not react with water. Polymerization will not occur. Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, chlorates, nitrates, and peroxides.
Hazardous Decomposition Products:	Under fire conditions: fumes, smoke, carbon monoxide, oxides of nitrogen.

Section 11 – Toxicological Information

Carcinogenicity:	No reportable ingredients
Reproductive Toxicity:	None reportable

Section 12 – Ecological Information

Aquatic Toxicity:	Keep oil out of sewers and watercourses with absorbents or pads. Sweep up or scoop up and remove. Conform to local regulations.

Section 13 – Disposal Considerations

Waste Disposal:	Consult federal, state and local authorities for proper disposal procedures. Dispose of absorbed oil at an approved waste site or facility.

Section 14 – Transport Information

	Not regulated under US Department of Transportation

Section 15 – Regulatory Information

OSHA:	No reportable ingredients
SARA:	No reportable ingredients

Section 16 – Other Information

Disclaimer:	The above information is accurate to the best of our knowledge. However, since data safety standards and government regulations are subject to change, and the conditions of handling and use, or misuse, are beyond our control, PhyMet makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. User should be satisfied that all current, relevant data for the particular use of this product is available and considered.