



Safety Data Sheet

Version Date: 5/16

Page 1 of 4

Section 1 – Identification

Product Name: MicroPoly® MPI-0800

Product Use: Lubrication with oil-containing polymer

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

Section 2 – Hazards Identification

Potential Health Effects: Hazard summary (as defined by OSHA Hazard Communication Standard 29 CFR 1910-1200)

Physical Hazards: None

Health Hazards: None under 500°F

Section 3 – Composition/Information on Ingredients

Ingredients:	Ingredient	CAS Number
	Severely hydro treated paraffinic oil, solvent refined heavy paraffinic distillate & additives	Mixture
	Polyethylene	9002-88-4
	Perfluorocarbon Resins	9002-84-0
	Molybdenum Disulfide	1317-33-5

Composition is considered a trade secret.

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: At ambient temperature, inhalation is not a problem. If product is very hot, oil vapors may occur. Remove to area where oil mist is not present. Fresh air environment is suggested. If breathing is irregular or stopped, resuscitate (administer oxygen if available). Seek physician's advice.

Ingestion: Do not induce vomiting because of danger of aspirating liquid into lungs. Seek medical attention.



Safety Data Sheet

Product Name: MicroPoly® MPI-0800

Version Date: 5/16

Page 2 of 4

Section 5 – Fire Fighting Measures

Flammable: May be combustible at high temperature

Flashpoint: 503.6°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. At temperatures greater than 500°F, may produce toxic fumes from perfluorocarbon decomposition.

Section 6 – Accidental Release Measures

Leak and Spill Procedures: Clean up as soon as possible. Comply with existing laws. Only limited and localized contamination is expected by the release of small quantities of oil.

Section 7 – Handling and Storage

Handling Procedures and Equipment: Store and handle in a manner to prevent contamination from any source, especially when used in food processing areas, as is covered by FDA Regulations 21 CFR 178.3620 (B) (2). Wash hands and face after handling to avoid transfer of oil onto cigarettes, tobacco, and/or food.

Section 8 – Exposure Controls/Personal Protection

Engineering Controls: Minimize exposure with good hygiene practices.
Ventilation: Provide local exhaust if polymer is heated above 500°F. Avoid extreme heat or open flame.



Safety Data Sheet

Product Name: MicroPoly® MPI-0800

Version Date: 5/16

Page 3 of 4

Section 9 – Physical and Chemical Properties

Physical State:	Porous solid – oil filled pores Black, solid soft plastic – oily surface
Odor:	Slight oil odor
Specific Gravity:	~ .9 gm/cc
Vapor Pressure:	Negligible at ambient temperature
Boiling Point:	Oil boiling point has a wide range
Melting Point:	~ 350°F
Solubility in water:	Negligible
Other Information:	No information is available

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 sulfur and at temperatures greater than 500°F, decomposition of perfluorocarbon yields toxic gases.

Section 11 – Toxicological Information

Carcinogenicity:	This oil does not contain any ingredients identified as carcinogenic as A1 or A2 carcinogens by ASGIH, OSHA, IARC, IRIS, NTP or TSCA.
Reproductive Toxicity:	This product is not expected to be a reproductive hazard, based on the available data and the known hazards of the components.



Safety Data Sheet

Product Name: MicroPoly® MPI-0800
Version Date: 5/16

Page 4 of 4

Section 12 – Ecological Information

Aquatic Toxicity: Data on the finished product are not available. It is considered to present little danger for aquatic life.
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 known carcinogenic ingredients
SARA: No components on regulatory lists searched
TSCA: All components listed on the acceptable TSCA Inventory

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.