



# Safety Data Sheet

Version Date: 5/16

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## Section 1 – Identification

Product Name: MicroPoly® MPI-0779

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
	Synthetic Base Oil	68037-01-4
	Polyethylene	9002-88-4
	Perfluorocarbon Resins	9002-84-0
	Molybdenum Disulfide	1317-33-5
	Proprietary Additive	Mixture

Composition is considered a trade secret.

## Section 4 – First Aid Measures

Skin Contact: Oil can be removed with soap and water.

Eye Contact: Flush with clear water for 15 minutes or until irritation subsides.

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. Slight ingestion of oil is not hazardous.



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## **Section 5 – Fire Fighting Measures**

Flammable: Yes

Flashpoint: > 419°F

Extinguishing Media: Water fog, foam, carbon dioxide, dry chemical.

Hazardous Combustion Products: Burning oil and polymer will produce carbon dioxide, carbon monoxide and 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: No TLV assigned. Minimize exposure with good hygiene practices.

Ventilation: Provide local exhaust if polymer is heated above 500°F. Avoid extreme heat or open flame.



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## **Section 9 – Physical and Chemical Properties**

Physical State:	Porous solid – oil filled pores
Odor:	Slight oil odor
Specific Gravity:	~ .9 gm/cc
Vapor Pressure:	Oil vapor pressure is < 0.1 mm at 100°F
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, or peroxides, as this may be hazardous.
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 or hazardous by SARA, CWA, CAA, or California Prop. 65.
Reproductive Toxicity:	No product toxicology data available.



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## **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: Data on the finished product are not available. It is considered to present little danger for aquatic life.  
Confirm to local regulations.

## **Section 14 – Transport Information**

Not regulated under US Department of Transportation.

## **Section 15 – Regulatory Information**

IARC:  
NTP: No known carcinogenic ingredients.  
EPCRA: No components on regulatory lists searched.  
CA Prop. 65:  
RTK (PA,NJ,MA):

## **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.