



Safety Data Sheet

Version Date: 5/16

Page 1 of 4

Section 1 – Identification

Product Name: MicroPoly® MPI-2400

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
	Polyethylene	9002-88-4
	*Synthetic Hydrocarbons & Additives	Mixture
	Butylated Triphenyl Phosphate	56803-37-3
	Antimony Dialkyldithiocarbamate	15991-76-1
	Triphenyl Phosphate	115-86-6
	*Additive	Mixture

*product formulation is proprietary
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.



Safety Data Sheet

Product Name: MicroPoly® MPI-2400

Version Date: 5/16

Page 2 of 4

Section 5 – Fire Fighting Measures

Flammable:	Yes. Exposure to flame or high temperature may initiate combustion.
Flashpoint:	400°F (oil, COC)
Extinguishing Media:	Water fog, foam, carbon dioxide, dry chemical.
Hazardous Combustion Products:	Carbon monoxide and small amounts of other toxic fumes – i.e., antimony and phosphorous containing chemicals.

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. 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 and adequate ventilation. Avoid extreme heat or open flame.
-----------------------	--------------------------------------------------------------------------------------------------------------



Safety Data Sheet

Product Name: MicroPoly® MPI-2400

Version Date: 5/16

Page 3 of 4

Section 9 – Physical and Chemical Properties

Physical State:	Solid, yellow, porous, oil filled polymer
Odor:	Slight oil odor
Specific Gravity:	~ .9 gm/cc
Vapor Pressure:	N/A
Boiling Point:	N/A
Melting Point:	Polymer softens > 400°F
Solubility in water:	Not soluble
Other Information:	No information is available

Section 10 – Stability and Reactivity

Chemical Stability:	Stable under normal conditions
Incompatibility with other Substances:	Avoid strong oxidizers, such as chlorates, nitrates, peroxides, liquid chlorine, and concentrated oxygen, as this may be hazardous.
Reactivity:	Stable under normal conditions.
Hazardous Decomposition Products:	Under fire conditions: fumes, smoke, carbon monoxide, and oxides of phosphorous and antimony at very low concentrations.

Section 11 – Toxicological Information

Carcinogenicity:	Nothing listed according to IARC, NTP, and OSHA.
Reproductive Toxicity:	The oil contains a small amount of butylated triphenyl phosphate, which can produce paralysis if taken internally. Skin contact for prolonged periods may allow absorption of oil contents. Initial symptoms of over exposure are nausea, diarrhea, and abdominal pain followed by soreness of lower legs and numbness of toes.



Safety Data Sheet

Product Name: MicroPoly® MPI-2400

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

SARA: Regulated under Section 313 of Title III of SARA (Antimony compound)

Ingredient	ACGIH TLV
	TWA
Butylated Triphenyl Phosphate	LD ₅₀ (acute oral): >4640 mg/kg LD ₅₀ (acute derm): >2000 mg/kg
Antimony Dialkydithiocarbamate	LD ₅₀ (oral): 16,400 mg/kg (rats) LD ₅₀ (derm): 16,000 mg/kg (rabbits)
Triphenyl Phosphate	3 mg/M ³

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.