

# PolyLaurin<sup>®</sup>

**COPPERHEAD  
CHEMICAL  
COMPANY<sup>®</sup>**

## PolyLaurin<sup>®</sup>

**Plant Derived Bacteriostatic and Fungistatic Preservative Additive  
for Use in the Manufacture and Preservation of Finished Products**

**EPA FIFRA Registration Number: 90344-1**

### Benefits:

- Novel, patented<sup>1</sup> mixture of plant derived medium chain lauric esters that exhibits broad range preservation capacity
- Clear, low viscosity liquid that is soluble in water, glycol, alcohol and other solvents
- Readily forms emulsions in aqueous and lipid systems
- Versatile and easy to use

### Applications:

- Material preservative additive for use in the preservation of products including paints, coatings, adhesives, film forming agents, cleaning products, and other industrial products

ACTIVE INGREDIENTS:	
Glyceryl Laurate	1.4%
Propylene Glycol Monolaurate	11.3%
OTHER INGREDIENTS	
	87.3%
TOTAL	
	100.00%

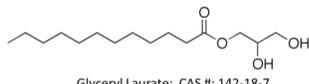
**For Formulators:** Use concentration ranges from 1.5% to 25% by weight of PolyLaurin<sup>®</sup> depending on the matrix being preserved, the normal handling of the product, and product function

**Directions for Use:** Specific manufacturing directions for a given application will be provided by consultation with Copperhead Chemical Company<sup>®</sup> Inc.

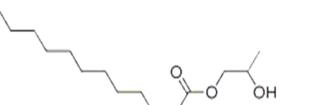
**Storage:** Store product in a cool, dry area out of direct sunlight. Store in original container only. Product is hygroscopic, keep container tightly closed when not in use. See FIFRA label for more details. PolyLaurin<sup>®</sup> is supplied in 5 and 20 gallon HDPE containers.

PolyLaurin <sup>®</sup> Properties	
Appearance	Clear colorless liquid
Odor	Faint odor characteristic of propylene glycol
pH	8.7 (1% w/w suspension in water)
Melting point / freezing point	No applicable information found
Boiling point	> 100°C)
Specific gravity	1.031 g/cc at 25°C
Solubility in Water	Appreciable
Viscosity (cSt)	72.5 cP at 20°C; 25 cP at 40°C

### PolyLaurin<sup>®</sup> Actives



Glyceryl Laurate; CAS #: 142-18-7



Propylene Glycol Monolaurate; CAS #: 27194-74-7

**About Copperhead Chemical Company<sup>®</sup>:** Copperhead is a leading manufacturer of active pharmaceutical ingredients and specialty chemicals located in Tamaqua, PA USA. Copperhead is dedicated to quality and operates in accordance with Good Manufacturing Practice regulations enforced by the U.S. FDA. Contact information is as follows:

### Sales and Technical Support:

Copperhead Chemical Company<sup>®</sup> • 120 River Road • Tamaqua, PA 18252 • Website: [www.copperheadchemical.com](http://www.copperheadchemical.com)  
Main Tel: (570) 386-6123 • Jim Mosbaugh: (877) 344-4732 • [jmosbaugh@copperheadchemical.com](mailto:jmosbaugh@copperheadchemical.com)

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<sup>1</sup>U.S. Patent Number: 8,546,593.