

## 1. IDENTIFICATION

<b>Product Identifier:</b>	<b>PolyLaurin® 120</b>
<b>Alternate Names:</b>	No alternate name
<b>Intended use:</b>	A bacteriostatic and fungistatic preservative additive for use in the manufacture and preservation of finished products
<b>Manufacturer:</b>	Copperhead Chemical Company® Inc. 120 River Road Tamaqua, PA 18252 USA
<b>Emergency Contacts:</b>	<b>National Pesticides Information Center (800) 858-7378 (6:30 AM to 4:30 PM Pacific Time)</b> <b>Poison Control Center (800) 222-1222</b> <b>CHEMTREC (USA) (800) 424-9300</b> <b>CHEMTREC (INTERNATIONAL) +1 703-741-5970</b> <b>Copperhead Chemical Company® Inc. (888) 742-4506</b>

## 2. HAZARD(S) IDENTIFICATION

**Classification of the substance or mixture:** Product is not classified as hazardous according to GHS

**GHS Label elements:** None

**GHS Precautionary Statements:** None

**Hazards Not Otherwise Classified:** Caution. Causes moderate eye and skin irritation.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Propylene Glycol CAS Number: 57-55-6	Withheld	Not Classified	[1]
Propylene Glycol Monolaurate (Dodecanoic acid, monoester with 1,2-propanediol) CAS Number: 27194-74-7	11.3	Not Classified	
Glycerin (Glycerol) CAS Number: 56-81-5	Withheld	Not Classified	[1][2]
Potassium Laurate (Dodecanoic acid, potassium salt) CAS Number: 10124-65-9	Withheld	Not Classified	
Glycerol Laurate (Dodecanoic acid, 2,3-dihydroxypropyl ester) CAS Number: 142-18-7	1.4	Not Classified	
Water CAS Number: 7732-18-5	Withheld	Not Classified	
Propylene Glycol Dilaurate (Dodecanoic acid 1-methyl-1,2-ethanediyl ester) CAS Number: 2278819-8	Withheld	Not Classified	

[1] Right-to-Know Substance. See Section 15.

[2] Substance with a workplace exposure limit. See Section 8.

### 4. FIRST AID MEASURES

#### Description of first aid measures:

- General:** In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- Inhalation:** Remove to fresh air, keep patient warm and at rest. If unconscious, place in the recovery position. If breathing has stopped give artificial respiration. Immediately call a Poison Control Center or Doctor for further treatment advice.
- Eyes:** Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye(s). Call a Poison Control Center or Doctor for further treatment advice.

**Skin:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or Doctor for further treatment advice.

**Ingestion:** If a large amount is swallowed or adverse effects occur, call a Poison Control Center or Doctor for further treatment advice. Do not induce vomiting unless directed by physician.

**Most important symptoms and effects, both acute and delayed:**

**Overview:** Causes moderate eye and skin irritation. May cause irritation to skin and respiratory tract. Ingestion of large amounts may cause central nervous system depression and metabolic acidosis.

**Chronic Effects:** No applicable information found

## 5. FIRE FIGHTING MEASURES

**Extinguishing media:**

Water fog or spray, dry chemical, carbon dioxide, alcohol resistant foam (ATC type).

**Special hazards arising from the substance or mixture:**

Violent generation of steam may occur on application of direct water stream to hot liquid.

**Hazardous decomposition products:**

High temperatures and fires may produce such toxic substances as nitrogen oxides, carbon monoxide and carbon dioxide.

**Advice for fire-fighters:**

Wear self-contained breathing apparatus with full face piece and protective firefighting clothing. Do not use direct water stream as it may spread fire. Use water spray to cool exposed containers.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:**

All operations should be performed by trained personnel familiar with the hazards and necessary precautions. Keep unprotected and unnecessary personnel from entering the area. Use appropriate safety equipment. Remove sources of ignition. Ventilate the area. Put on appropriate personal protective equipment (see section 8). Spill area may be slippery. Use good personal hygiene practices. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Promptly remove soiled clothing. Dispose of contaminated articles or wash them thoroughly before reuse.

**Environmental precautions:**

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**Methods and material for containment and cleaning up:**

Large spills should be contained with a dike or a berm and can be pumped into suitable containers. Small spills should be absorbed with inert absorbent material. Do not use combustible materials such as saw dust. Scoop wetted absorbent into suitable containers. Keep containers closed and properly labeled. Wash area with water and detergent.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:**

All operations should be performed by trained personnel familiar with the hazards and necessary precautions. Practice reasonable care and take appropriate safety measures. Keep out of reach of children. Do not eat, drink, or smoke when handling. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Do not contaminate water, food or feed by storage and disposal.

**Conditions for safe storage, including any incompatibilities:**

Handle containers carefully to prevent damage and spillage. Store product in a cool, dry area away from heat, sources of ignition, direct sunlight, moisture and incompatible materials. Store only in original container. Product is hygroscopic; keep containers closed when not in use.

**Incompatible materials:**

Strong acids, strong bases, strong oxidizers and other materials which may react with alcohols.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Limits:

Exposure limits for the mixture have not been assigned. Limits established for the ingredients are provided as a guide.

CAS No.	Ingredient	Source	Value
57-55-6	Propylene Glycol	OSHA	No Established Limit
		ACGIH	TWA(Aerosol): 10 mg/m <sup>3</sup>
		NIOSH	No Established Limit
		Supplier	10 mg/m <sup>3</sup> TWA (listed as AIHA WEEL)
27194-74-7	Propylene Glycol Monolaurate (Dodecanoic acid, monoester with 1,2-propanediol )	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
56-81-5	Glycerin (Glycerol)	OSHA	TWA 15 mg/m <sup>3</sup> (total) TWA 5 mg/m <sup>3</sup> (resp)
		ACGIH	TWA: 3 mg/m <sup>3</sup> (respirable) 10 mg/m <sup>3</sup> (mist)
		NIOSH	No established RELs
		Supplier	No Established Limit
10124-65-9	Potassium Laurate (Dodecanoic acid, potassium salt)	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
142-18-7	Glycerol Laurate (Dodecanoic acid, 2,3-dihydroxypropyl ester)	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
7732-18-5	Water	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
22788-19-8	Propylene Glycol Dilaurate (Dodecanoic acid 1-methyl-1,2- ethanediyl ester)	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

**Exposure controls:**

- Respiratory:** Occupation exposures from this material should be determined by individuals with experience in industrial hygiene. The selection of appropriate respiratory protective equipment should be based on results from industrial hygiene surveys and respirator manufacturer's specifications and/or recommendations.
- Eyes:** Wear safety glasses, if splashes are likely to occur, wear goggles or face shield.
- Skin:** Wear protective gloves and clothing. Any portion of the body which may come in contact with the product should be protected by materials that are impervious to the product under the conditions of use.

**Engineering Controls:**

- Ventilation:** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of mists and any vapor below occupational exposure limits suitable respiratory protection must be worn.

- Other Work Practices:** Use good personal hygiene practices. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>
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<b>Appearance</b>	Clear colorless Liquid
<b>Odor</b>	Faint odor characteristic of propylene glycol
<b>Odor threshold</b>	No applicable information found
<b>pH</b>	8.7 (1% w/w suspension in water)
<b>Melting point / freezing point</b>	No applicable information found
<b>Initial boiling point and boiling range</b>	No applicable information found
<b>Flash Point</b>	No applicable information found
<b>Evaporation rate (Ether = 1)</b>	No applicable information found
<b>Flammability (solid, gas)</b>	No applicable information found
<b>Upper/lower flammability or explosive limits</b>	No applicable information found
<b>Vapor pressure</b>	No applicable information found
<b>Vapor Density</b>	No applicable information found
<b>Specific Gravity</b>	1.031 g/cc at 25°C
<b>Solubility in Water</b>	Appreciable
<b>Partition coefficient n-octanol/water (Log Kow)</b>	No applicable information found
<b>Auto-ignition temperature</b>	No applicable information found
<b>Decomposition temperature</b>	No applicable information found
<b>Viscosity (cSt)</b>	72.5 cP at 20°C; 25 cP at 40°C

## 10. STABILITY AND REACTIVITY

**Reactivity:** No applicable information found

**Chemical stability:** No applicable information found

**Possibility of hazardous reactions:** No applicable information found

**Conditions to avoid:** No applicable information found

**Incompatible materials:** Strong acids, strong bases, strong oxidizers and other materials which may react with alcohols.

**Hazardous decomposition products:** High temperatures and fires may produce such toxic substances as nitrogen oxides, carbon monoxide and carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

**Routes of exposure:** Skin contact, eye contact, inhalation, ingestion and injection are potential routes of exposure.

**Symptoms of exposure:** See Section 4.

**Acute toxicity:**

Acute oral, Rat – LD50 = >5000 mg/kg

Acute dermal, Rabbit, LD50: >5000 mg/kg

Skin irritation, Rabbit: dermal irritant

Eye irritation, Rabbit: conjunctival irritation cleared within 72 hours

**Carcinogenic Effects:** This product does not contain any ingredients that are carcinogens or potential carcinogens listed by OSHA, NTP or IARC.

## 12. ECOLOGICAL INFORMATION

**Ecological Toxicity:**

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment.

**Aquatic Ecotoxicity:**

No applicable information was found for the mixture. Information about the ingredients is provided as a guide.

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Propylene Glycol CAS Number: 57-55-6	40,613.00, Oncorhynchus mykiss	18,340.00, Ceriodaphnia dubia	19,000.00 (96 hr), Pseudokirchneriella subcapitata
Propylene Glycol Monolaurate (Dodecanoic acid, monoester with 1,2-propanediol) CAS Number: 27194-74-7	No applicable information found	No applicable information found	No applicable information found
Glycerin (Glycerol) CAS Number: 56-81-5	67,500.00, Oncorhynchus mykiss	10,000.00, Daphnia magna	No applicable information found
Potassium Laurate (Dodecanoic acid, potassium salt) CAS Number: 10124-65-9	No applicable information found	No applicable information found	No applicable information found
Glyceryl Laurate (Dodecanoic acid, 2,3-dihydroxypropyl ester) CAS Number: 142-18-7	No applicable information found	No applicable information found	No applicable information found
Water CAS Number: 7732-18-5	No applicable information found	No applicable information found	No applicable information found
Propylene Glycol Dilaurate (Dodecanoic acid 1-methyl-1,2-ethanediyl ester) CAS Number: 2278819-8	No applicable information found	No applicable information found	No applicable information found

**Persistence and degradability:**

No applicable information found

**Bioaccumulative potential:**

No applicable information found

**Mobility in soil:**

No applicable information found

**Results of PBT and vPvB assessment:**

No applicable information found

### 13. DISPOSAL CONSIDERATIONS

**Disposal Method:** All disposal must be in compliance with Federal, State, and Local regulations. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**Container Disposal:** Non-refillable container. Do not reuse or refill this container. Completely empty container. Then offer for recycling if available or puncture and dispose of in trash or in a sanitary landfill or by incineration.

### 14. TRANSPORT INFORMATION

Please see the current shipping paper for the most up-to-date shipping information, including exceptions and special circumstances.

Product is not classified as hazardous material or dangerous goods according to transport regulations.

### 15. REGULATORY INFORMATION

<b>Regulatory Overview:</b>	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.	
<b>Toxic Substance Control Act (TSCA):</b>	All components of this material are either listed or exempt from listing on the TSCA Inventory.	
<b>WHMIS Classification:</b>	Not Regulated	
<b>US EPA Tier II Hazards:</b>	<b>Fire:</b>	No
	<b>Sudden Release of Pressure:</b>	No
	<b>Reactive:</b>	No
	<b>Immediate (Acute):</b>	No
	<b>Delayed (Chronic):</b>	No
<b>EPCRA 311/312 Chemicals and RQs:</b>	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.	

**EPCRA 302 Extremely Hazardous:** To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 313 Toxic Chemicals:** To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**New Jersey RTK Substances (>1%):** Glycerol  
Propylene Glycol

**Pennsylvania RTK Substances (>1%):** Glycerol  
Propylene Glycol

## 16. OTHER INFORMATION

**Date Prepared: 1/20/21**

The information contained herein is believed to be accurate and represents the best information currently available to us. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. No warranty, either expressed or implied, of merchantability or fitness for a particular purpose, or of any nature with respect to the product, or to the information, is made herein.

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