

SAFETY DATA SHEET

1. Identification:	
Product Identifier:	Phenolphthalein 1% (w/v) in 99% Propylene Glycol
Product code:	BP8678
Synonym(s):	Phenolphthalein Indicator 1% Visual Transition: pH 8 (COLORLESS) to pH 10 (PINK)
Recommended use:	Manufacture of other chemical products, professional, scientific, and technical activities.
Recommended restrictions:	None known.
Manufacturer/Supplier/Di	stributor Information
Company name:	Biopharm Inc.
Address:	187 South Tilley Road Hatfield, AR 71945
Telephone:	(870) 389-6114
Website:	www.bphchem.com
E-mail:	support@bphchem.com
Emergency phone	Chemtrec 800-424-9300

2.	Hazard(s	s) -	identification:
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number:

Classification:	No Known OSHA Hazards; May be harmful if swallowed and enters airways.
Label elements:	None
Signal word:	Danger
Hazard statement:	None
Precautionary statement:	
Prevention	Avoid contact with eyes, skin, and clothing. Avoid prolonged or re-peated exposure.
Response	Wash thoroughly after handling. Replace cap when not in use.
Storage	Store bottles tightly capped and upright.
Disposal	To be performed in compliance with all current local, state and federal regulations.
Hazard(s) not otherwise classified (HNOC):	None known.
Supplemental information:	No information available.

3. Composition/information on ingredients

Mixtures		
Chemical Name	CAS number	<u>%</u>
Propylene Glycol	57-55-6	99
Phenolphthalein	77-09-8	Balance

Inhalation:	Remove to fresh air. Give artificial respiration if not breathing. Have trained personnel administer oxygen if breathing is difficult. Call a physician.
Ingestion:	Give several glasses of water to dilute stomach contents. Never give anything by mouth to an unconscious person. Call a physician.
Skin contact:	Immediately flush with cool, running water for at least 15 minutes. Seek medical advice if irritation occurs.
Eye contact:	While holding lids gently, but firmly apart, irrigate eyes with cool, clear running water for several minutes. Seek medical care.
Most important symptoms/effects, acute and delayed:	
General information:	Ensure medical personnel are aware of the material(s) involved and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media:	Alcohol-resistant foam. Carbon dioxide. Dry chemical powder. Water fog. Sand or earth may be used for small fires only.			
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.			
Specific hazards arising from the chemical	Emits toxic fumes (carbon oxides) under fire conditions.			
Special protective equipment and precautions for firefighters	Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.			
Fire-fighting equipment/instructions	Firefighters should wear full protective gear. Evacuate the area promptly. Fight fire from upwind to avoid exposure to combustion products. Cool containers/tanks with water spray. Do not get water inside container. Move containers from fire area if it can be done without risk. Prevent fire-extinguishing water from contaminating surface water or the ground water system.			
NFPA	Health: 2	Flammability: 1	Reactivity: 0	

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures:	See section 8 for recommendations on the use of personal protective equipment.
Methods and materials for containment and cleaning up:	Absorb spill with noncombustible absorbent material, then place in a suitable container for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.
Environmental precautions:	Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses, or onto the ground. Avoid release to the environment. Prevent further leakage or spillage if safe to do so.
7. Handling and storage	
Precautions for safe handling:	See section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when

not in use. Avoid formation of aerosols.

Conditions for safe Store bottles tightly capped and upright. The material is hygroscopic and light sensitive. **storage, including any incompatibilities:**

8. Exposure controls/personal protection				
Exposure Guidelines:				
Component	ACGIH TLV	OSHA PEL		
Propylene Glycol	10 mg/m ³ (TWA)	No data		
Phenolphthalein	No data	No data		
Engineering measures:	In case of insufficient ventilation, use only under a chemical fume hood. Ensure that eyewash stations and safety showers are close to the workstation location.			
Personal protective equipment:				
Eye/face protection:	Wear protective eyeglasses or chemical safety goggles.			
Skin and body protection:	Wear appropriate protective gloves and clothing to prevent skin exposure.			
Respiratory protection:	In case of insufficient ventilation, wear suitable	e respiratory equipment.		
Hygiene measures:	Handle in accordance with good industrial hyg	iene and safety practice.		

9. Physical and chemical properties

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Appearance:	Clear, colorless liquid
Odor:	Practically odorless
Odor threshold:	No data available
Vapor Pressure (mm Hg):	No data available
Vapor density (Air = 1):	No data available
pH:	No data available
Relative density:	No data available
Melting point/freezing point:	No data available
Solubility in Water:	Infinite
Boiling Point (°F):	No data available
Flash point:	No data available
Evaporative Rate (H ₂ O = 1):	No data available
Flammability (solid, gas):	Non-flammable
Upper/lower flammability or explos	sive limits
Flammability limit - lower	No data available
Flammability limit - upper	No data available
Explosive limit – lower	No data available
Explosive limit - upper	No data available
Partition coefficient: n- octanol/water	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available

Viscosity:	No data available	
Other information:		
Specific Gravity (H ₂ O = 1):	No data available	
Percent Volatile by Volume:	No data available	

10. Stability and reactivity

Reactivity:	This product is stable and nonreactive under normal conditions of use, storage, and transport.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	Excess heat, exposure to moist air or water.
Incompatible materials:	Oxidizing agents, acids, alkalis, chloroformates, caustics, aliphatic amines, isocyanates, acid anhydrides, silver nitrate, reducing agents.
Hazardous decomposition products:	No information found.

11. Toxicological information

Information on likely routes of exposure:

mormation on incory rout	es of exposure.			
Ingestion:	Gastrointestinal disturbance; nausea; headache; vomiting; central nervous system depression			
Inhalation:	Irritation to respiratory tr	Irritation to respiratory tract		
Skin Contact:	Mild irritation			
Eye Contact:	Mild irritation			
Information on toxicological effects				
Acute toxicity	This product is not classi ingredient acute toxicity	fied as an acute toxicity hazar data.	d. See below for individual	
Component	LD ₅₀ Oral	LD ₅₀ Dermal	LC50 Inhalation	
Phenolphthalein	1000 mg/kg (rat)	No data available	No data available	
Propylene Glycol	20,000 mg/kg (rat)	20,800 mg/kg (rabbit)	No data available	
Delayed and immediate eff	Delayed and immediate effects as well as chronic effects from short and long-term exposure			
Skin corrosion/ irritation	No data available.			
Serious eye damage/ irritation	No data available.			
Respiratory Sensitization	No data available.			
Skin sensitization	No data available.			
Carcinogenicity	May cause cancer.			
IARC Monograph	ns. Overall Evaluation of (Carcinogenicity		
	Phenolphthalein	2B possibly carcinogenic	to humans	
OSHA Specifically	y Regulated Substances (2	29 CFR 1910.1001-1096)		
	Not regulated			

U.S. National Toxicology Program (NTP) Report on Carcinogens

	Phenolphthalein	Reasonably anticipated to be a human carcinogen
Mutagenic effects	No data available	
Reproductive effects	No data available	
STOT – single exposure	No data available	
STOT – repeated exposure	No data available	
Aspiration hazard	No data available	
Chronic effects	No data available	

12. Ecological information

Ecotoxicity:	No data available
Persistence and degradability:	No data available
Bioaccumulation/ Accumulation:	No data available
Mobility in soil:	No data available
Other adverse effects:	No data available.

13. Disposal considerations

Waste disposal
methods:To be performed in compliance with all current local, state and federal regulations.Spills onto sand, soil, or other absorbent may be handled by placing the affected soil
into approved containers then label and store for proper treatment or disposal.

14. Transport information

DOT:

Not regulated as a hazardous material by DOT.

15. Regulatory information

U.S. Federal regulations		
TSCA Section 12(b) E	Listed	
U.S. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)		Not regulated
CERCLA Hazardous	Not listed	
Superfund Amendments a	and Reauthorization Act of 1986 (SARA)	
Hazard Categories	Immediate Hazard – No	
	Delayed Hazard – No	
	Fire Hazard – No	
	Pressure Hazard – No	
	Reactivity Hazard – No	
Other Federal regulations		
Clean Air Act	Not regulated	
Clean Water Act	Not regulated	

California Prop 65 WARNING: This product contains a chemical known to the State of California to cause cancer.

16. Other information, including date of preparation or last revision

Revision dateOctober 20, 2023DisclaimerThe statements contained herein are offered as informational data only and are believed
to be correct. However, this product should be handled by persons having related
technical skills, and at their own discretion and risk. Since seller has no control over
the use of this product, no warranty, expressed or implied, is made and seller assumes
no liability in connection with any use of this information or from contact and/or
handling of this product.