



BIOPHARM INC.

# SAFETY DATA SHEET

## 1. Identification:

**Product Identifier:** Methyl Red Indicator 0.1% (w/v)  
**Product code:** BM4294  
**Synonym(s):** Methyl Red 0.1%  
pH 4.2 = Pink    pH 6.2 = Yellow  
**Recommended use:** Manufacture of other chemical products, professional, scientific, and technical activities.  
**Recommended restrictions:** None known.

### Manufacturer/Supplier/Distributor 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 number:** Chemtrec 800-424-9300

## 2. Hazard(s) identification:

**Classification:** Not classified.

**Label elements:** Not classified as a hazardous chemical.

**Hazard statement:** None under normal conditions.

### Precautionary statement:

**Prevention** Avoid contact with eyes, skin and clothing. Wear appropriate protective equipment. Avoid breathing vapor. Use with adequate ventilation. Avoid prolonged or repeated exposure.

**Response** Get medical attention/advice if you feel unwell

**Storage** Store bottles tightly capped and upright. Store in well-ventilated place.

**Disposal** 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.

**Hazard(s) not otherwise classified (HNOC):** None identified.

**Supplemental information:** None.

## 3. Composition/information on ingredients

### Mixtures

<u>Chemical Name</u>	<u>CAS number</u>	<u>%</u>
Methyl Red, Sodium Salt, ACS	845-10-3	0.1
Water	7732-18-5	99.9

#### 4. First-aid measures

<b>Inhalation:</b>	Allow victim to breathe fresh air. Allow the victim to rest.
<b>Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
<b>Skin contact:</b>	Remove affected clothing and wash all exposed skin with mild soap and water, followed by warm water rinse.
<b>Eye contact:</b>	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
<b>Most important symptoms/effects, acute and delayed:</b>	No information available.
<b>General information:</b>	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical attention.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media:</b>	Foam. Dry powder. Carbon dioxide. Water spray. Sand.
<b>Unsuitable extinguishing media:</b>	Do not use a heavy stream of water.
<b>Specific hazards arising from the chemical</b>	No additional information available.
<b>Special protective equipment and precautions for firefighters</b>	Do not enter fire area without proper protective equipment, including respiratory protection.
<b>Fire-fighting equipment/instructions</b>	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment, and emergency procedures:</b>	Wear safety glasses and gloves. Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Ventilate area.
<b>Methods and materials for containment and cleaning up:</b>	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
<b>Environmental precautions:</b>	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 7. Handling and storage

<b>Precautions for safe handling:</b>	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.
<b>Conditions for safe storage, including any incompatibilities:</b>	Keep container closed when not in use. Strong oxidizers. Sources of ignition. Direct sunlight.

## 8. Exposure controls/personal protection

**Exposure Guidelines:** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering measures:** Emergency eye wash fountains should be available in the immediate vicinity of an y potential exposure.

**Personal protective equipment:**

**Eye/face protection:** Chemical goggles or safety glasses.

**Skin and body protection:** Wear protective gloves.

**Respiratory protection:** Respiratory protection not required in normal conditions.

**Hygiene measures:** Do not eat, drink, or smoke during use.

## 9. Physical and chemical properties

**Appearance:** Liquid, Red

**Odor:** 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:** Soluble in water.

**Boiling Point (°F):** No data available

**Flash point:** No data available

**Evaporative Rate (H<sub>2</sub>O = 1):** No data available

**Flammability (solid, gas):** Non Flammable

**Upper/lower flammability or explosive 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<sub>2</sub>O = 1):** 1 g/ml

**Percent Volatile by Volume:** No data available

**10. Stability and reactivity**

<b>Reactivity:</b>	None known based on information available.
<b>Chemical stability:</b>	Not established.
<b>Possibility of hazardous reactions:</b>	Not established.
<b>Conditions to avoid:</b>	Direct sunlight. Extremely high or low temperatures.
<b>Incompatible materials:</b>	Strong oxidizers.
<b>Hazardous decomposition products:</b>	Nitrogen oxides. Carbon monoxide. Carbon dioxide.

**11. Toxicological information****Information on likely routes of exposure:**

<b>Ingestion:</b>	Not classified.
<b>Inhalation:</b>	Not classified.
<b>Skin Contact:</b>	Not classified.
<b>Eye Contact:</b>	Not classified.

**Information on toxicological effects** No information available.

**Acute toxicity** Not classified.

<b><u>Component</u></b>	<b><u>LD50 Oral(Rat)</u></b>	<b><u>ATE US (oral)</u></b>
Water	≥90000 mg/kg	90000 mg/kg body weight

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	Not classified.
<b>Serious eye damage/irritation</b>	Not classified.
<b>Respiratory Sensitization</b>	Not classified.
<b>Skin sensitization</b>	Not classified.
<b>Carcinogenicity</b>	Not classified.
<b>Mutagenic effects</b>	Not classified.
<b>Reproductive effects</b>	Not classified.
<b>STOT – single exposure</b>	Not classified.
<b>STOT – repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not classified.
<b>Chronic effects</b>	Not classified.

**12. Ecological information**

<b>Ecotoxicity:</b>	No additional information available.
<b>Persistence and degradability:</b>	No data available
<b>Bioaccumulation/ Accumulation:</b>	No data available
<b>Mobility in soil:</b>	No data available
<b>Other adverse effects:</b>	Avoid release into the environment.

### 13. Disposal considerations

<b>Waste disposal methods:</b>	Dispose in a safe manner in accordance with local/ national regulations. Avoid release into the environment.
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### 14. Transport information

<b>DOT:</b>	Not regulated as dangerous goods.
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### 15. Regulatory information

#### U.S. Federal regulations

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)** Not applicable

#### Superfund Amendments 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 applicable

**Clean Water Act** Not applicable

**California Prop 65** This product does not contain any Proposition 65 chemicals.

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

**Creation date** June 14, 2023

**Disclaimer** The 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.