

**Methyl Red 0.02% (w/v) Aqueous****SECTION 1. IDENTIFICATION**

<b>Product Identifier</b>	Methyl Red 0.02% (w/v) Aqueous
<b>Other Means of Identification</b>	None
<b>Product Code(s)</b>	ME8540
<b>Product Family</b>	Organic/Inorganic Solution
<b>Recommended Use</b>	Laboratory and industrial use.
<b>Restrictions on Use</b>	None known.
<b>Supplier Identifier</b>	Alphachem Limited, 2485 Milltower Court, Mississauga, Ontario, L5N 5Z6, (905) 821-2995
<b>Emergency Phone No.</b>	CANUTEC CANADA, 613-996-6666, 24 Hours
<b>SDS No.</b>	1202

**SECTION 2. HAZARD IDENTIFICATION**

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

**Classification**

Not classified under any hazard class.

**Label Elements**

Not applicable

**Other Hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Benzoic acid, 2-[[4-(dimethylamino)phenyl]azo]-, sodium salt	845-10-3	0.02 - 1	2-[4-(Dimethylamino) Phenylazo] Benzoic Acid	
Water	7732-18-5	Balance	Dihydrogen oxide	

**Notes**

Above concentrations are in weight by volume %.

**SECTION 4. FIRST-AID MEASURES****First-aid Measures**

Product Identifier: Methyl Red 0.02% (w/v) Aqueous - Ver. 1  
Date of Preparation: November 15, 2017  
Date of Last Revision: November 15, 2017

### **Inhalation**

Remove source of exposure or move to fresh air. Keep at rest in a position comfortable for breathing.

### **Skin Contact**

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Get medical advice or attention if you feel unwell or are concerned.

### **Eye Contact**

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

### **Ingestion**

Rinse mouth with water. Do not induce vomiting. Immediately call a Poison Centre or doctor.

### **First-aid Comments**

Provide general supportive measures (comfort, warmth, rest).

### **Most Important Symptoms and Effects, Acute and Delayed**

None known.

### **Immediate Medical Attention and Special Treatment**

#### **Special Instructions**

General advice, consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

## **SECTION 5. FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

#### **Unsuitable Extinguishing Media**

Do not use a solid (straight) water stream as it may scatter and spread fire.

### **Specific Hazards Arising from the Product**

Thermal decomposition can lead to release of irritating gases and vapours.

In a fire, the following hazardous materials may be generated: very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides.

### **Special Protective Equipment and Precautions for Fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full

protective gear. Move containers from fire area if it can be done without risk. Otherwise, use water in flooding quantities as a spray or fog to keep fire-exposed containers cool and absorb heat. Approach fire from upwind to avoid hazardous vapours or gases. For a massive fire, immediately evacuate the area and use unmanned hose holder or monitor nozzles.

Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment, and Emergency Procedures**

Use the personal protective equipment recommended in Section 8 of this safety data sheet. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Remove or isolate incompatible materials as well as other hazardous materials.

### **Environmental Precautions**

Do not allow into any sewer, on the ground or into any waterway.

### **Methods and Materials for Containment and Cleaning Up**

Contain and soak up spill with absorbent that does not react with spilled product. Materials include: clay, diatomaceous earth. Place used absorbent into suitable, covered, labelled containers for disposal.

---

Product Identifier: Methyl Red 0.02% (w/v) Aqueous - Ver. 1

Date of Preparation: November 15, 2017

Date of Last Revision: November 15, 2017

Page 02 of 06

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

No special handling precautions are necessary. Only use where there is adequate ventilation. Prevent accidental contact with incompatible chemicals. General hygiene considerations: it is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

### Conditions for Safe Storage

No special requirements for storage area. Separate from incompatible materials (see Section 10: Stability and Reactivity). Store in a closed container.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Benzoic acid, 2-[[4-(dimethylamino)phenyl]azo]-, sodium salt	Not established		Not established			
Water	Not established		Not established			

### Appropriate Engineering Controls

Ensure adequate ventilation, especially in confined areas. Provide eyewash and safety shower if contact or splash hazard exists.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

#### Respiratory Protection

In case of insufficient ventilation, wear a NIOSH approved air-purifying respirator with an appropriate cartridge.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Dark violet liquid.
Odour	Odourless
Odour Threshold	Not available
pH	~ 7
Melting Point/Freezing Point	0.0 °C (32.0 °F) (melting); 0.0 °C (32.0 °F) (freezing)
Initial Boiling Point/Range	100 °C (212 °F)
Flash Point	Not available
Evaporation Rate	< 1 (diethyl ether = 1)
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	14 mm Hg (2 kPa)
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	1.0
Solubility	Soluble in water; Not available (in other liquids)

Product Identifier: Methyl Red 0.02% (w/v) Aqueous - Ver. 1  
Date of Preparation: November 15, 2017  
Date of Last Revision: November 15, 2017

<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available (kinematic); Not available (dynamic)
<b>Other Information</b>	
<b>Physical State</b>	Liquid

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

No reactivity test data was located.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

Not established.

### Conditions to Avoid

Sunlight. Extremely low temperatures. Extremely high temperatures. Incompatible materials.

### Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid).

### Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Benzoic acid, 2-[[4-(dimethylamino)phenyl]azo]-, sodium salt	Not available	Not available	Not available
Water	Not available	> 89840 mg/kg (rat)	Not available

### Skin Corrosion/Irritation

No information was located.

### Serious Eye Damage/Irritation

No information was located.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

No information was located.

#### Ingestion

No information was located.

### Aspiration Hazard

No information was located.

### STOT (Specific Target Organ Toxicity) - Repeated Exposure

Product Identifier: Methyl Red 0.02% (w/v) Aqueous - Ver. 1  
Date of Preparation: November 15, 2017  
Date of Last Revision: November 15, 2017

No information was located.

#### **Respiratory and/or Skin Sensitization**

No information was located.

#### **Carcinogenicity**

<b>Chemical Name</b>	<b>IARC</b>	<b>ACGIH®</b>	<b>NTP</b>	<b>OSHA</b>
Benzoic acid, 2-[[4-(dimethylamino)phenyl]azo]-, sodium salt	Not Listed	Not designated	Not Listed	Not Listed
Water	Not Listed	Not Listed	Not Listed	Not Listed

#### **Reproductive Toxicity**

##### **Development of Offspring**

No information was located.

##### **Sexual Function and Fertility**

No information was located.

##### **Effects on or via Lactation**

No information was located.

#### **Germ Cell Mutagenicity**

No information was located.

#### **Interactive Effects**

No information was located.

## **SECTION 12. ECOLOGICAL INFORMATION**

This section is not required by WHMIS. This section is not required by OSHA HCS 2012.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

#### **Disposal Methods**

Dispose of contents and container in accordance with local, regional, national and international regulations.

## **SECTION 14. TRANSPORT INFORMATION**

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## **SECTION 15. REGULATORY INFORMATION**

#### **Safety, Health and Environmental Regulations**

##### **Canada**

##### **Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)**

All ingredients are listed on the DSL.

##### **USA**

##### **Toxic Substances Control Act (TSCA) Section 8(b)**

All ingredients are listed on the TSCA Inventory.

## **SECTION 16. OTHER INFORMATION**

Product Identifier: Methyl Red 0.02% (w/v) Aqueous - Ver. 1

Date of Preparation: November 15, 2017

Date of Last Revision: November 15, 2017

---

<b>SDS Prepared By</b>	Alphachem Limited
<b>Phone No.</b>	(905)-821-2995
<b>Date of Preparation</b>	November 15, 2017
<b>Date of Last Revision</b>	November 15, 2017
<b>References</b>	CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).
<b>Disclaimer</b>	This document is offered only as a guide in the safe handling of the above product, and has been prepared from the best information currently available. It is not intended to be all-inclusive and the conditions of use may involve other additional considerations. Since Alphachem Limited cannot anticipate or control the conditions under which the product may be used, it will not be liable for any claims, damages or losses which may result from the use or reliance on any information herein.

---

Product Identifier:	Methyl Red 0.02% (w/v) Aqueous - Ver. 1
Date of Preparation:	November 15, 2017
Date of Last Revision:	November 15, 2017