



## Bromocresol Green - Methyl Orange

Safety Data Sheet  
Revision date: 05/13/2013

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

#### Product Identifier

**Product form:** Mixture

**Product name:** Bromocresol Green - Methyl Orange

**Product code:** 240-05

#### Intended Use Of The Product

**Use of the substance/preparation:** Laboratory Reagent

#### Name, Address, And Telephone Of The Responsible Party

OFI Testing Equipment, Inc.  
11302 Steeplecrest Dr.  
Houston, TX 77065 USA  
+1-832-320-7300

[www.ofite.com](http://www.ofite.com)

#### Emergency Telephone Number

**Emergency number** : INFOTRAC USA and Canada: 1-800-535-5053 / INFOTRAC Outside USA and Canada: 1-352-323-3500

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification Of The Substance Or Mixture

**Classification (GHS-US)**

Not classified

#### Label Elements

**GHS-US labeling** No labeling applicable

**Other Hazards** Not available

**Unknown acute toxicity (GHS US)** Not available

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixture

Name	Product identifier	%	Classification (GHS-US)
Water	(CAS No.) 7732-18-5	98 - 99.98	Not classified
Phenol, 4,4'-(3H-1,2-benzoxathiol-3-ylidene)bis[2,6-dibromo-3-methyl-, S,S-dioxide, monosodium salt	(CAS No.) 62625-32-5	0.01 - 1	Not classified
C.I. Acid orange 52	(CAS No.) 547-58-0	0.01 - 1	Acute Tox. 3 (Oral), H301

Full text of H-phrases: see section 16

### SECTION 4: FIRST AID MEASURES

#### Description Of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area.

**Skin Contact:** Wash with plenty of soap and water.

**Eye Contact:** Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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### **Most Important Symptoms And Effects Both Acute and Delayed**

**General:** Not expected to present a significant hazard under anticipated conditions of normal use.

**Inhalation:** Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

**Skin Contact:** Contact during a long period may cause light irritation.

**Eye Contact:** May cause slight irritation.

**Ingestion:** Abdominal pain.

**Chronic symptoms:** Not available

### **Indication Of Any Immediate Medical Attention And Special Treatment Needed**

Not available

## **SECTION 5: FIREFIGHTING MEASURES**

### **Extinguishing Media**

**Suitable extinguishing media:** Not flammable. Use extinguishing media appropriate for surrounding fire.

**Unsuitable extinguishing media:** None known.

### **Special Hazards Arising From The Substance Or Mixture**

**Fire hazard:** Not flammable

**Explosion hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### **Advice For Firefighters**

**Precautionary measures fire:** Not available

**Firefighting instructions:** Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.

**Protection during firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>). Sulfur oxides.

### **Reference To Other Sections**

Refer to section 9 for flammability properties.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

**General measures:** Avoid all contact with skin, eyes, or clothing.

#### **For Non-Emergency Personnel**

**Protective equipment:** Use appropriate personal protection equipment (PPE).

**Emergency procedures:** Evacuate unnecessary personnel.

#### **For Emergency Personnel**

**Protective equipment:** Equip cleanup crew with proper protection.

**Emergency procedures:** Ventilate area.

### **Environmental Precautions**

Prevent entry to sewers and public waters.

### **Methods And Material For Containment And Cleaning Up**

**For containment:** Absorb and/or contain spill with inert material, then place in suitable container.

**Methods for cleaning up:** Clear up spills immediately and dispose of waste safely.

### **Reference To Other Sections**

See Heading 8, Exposure controls and personal protection.

## **SECTION 7: HANDLING AND STORAGE**

### **Precautions For Safe Handling**

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

### **Conditions For Safe Storage, Including Any Incompatibilities**

**Storage conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

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### Specific End Use(s)

Laboratory Reagent

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### Control Parameters

No Occupational Exposure Limits have been established for this product or its chemical components.

### Exposure Controls

**Appropriate engineering controls:** Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment:** Avoid all unnecessary exposure.

**Materials for protective clothing:** Not available

**Hand protection:** Wear protective gloves.

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

**Skin and body protection:** Wear suitable protective clothing.

**Respiratory protection:** Not available

**Other information:** When using, do not eat, drink or smoke.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### Information On Basic Physical And Chemical Properties

Physical state	: Liquid
Appearance	: Clear. Blue-green.
Odor	: Odorless
Odor threshold	: Not available
pH	: Not available
Relative evaporation rate (butyl acetate=1)	: Not available
Melting point	: ~ 0 °C
Freezing point	: Not available
Boiling point	: ~ 100
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower flammable limit	: Not available
Upper flammable limit	: Not available
Vapor pressure	: Not available
Relative vapor density at 20 °C	: Not available
Relative density	: Not available
Specific gravity	: 1
Solubility	: Soluble in water.
Log Pow	: Not available
Log Kow	: Not available
Viscosity, kinematic	: Not available
Viscosity, dynamic	: Not available
Explosion data - sensitivity to mechanical impact	: Not available
Explosion data - sensitivity to static discharge	: Not available

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### SECTION 10: STABILITY AND REACTIVITY

**Reactivity** Hazardous reactions will not occur under normal conditions.

**Chemical Stability** Stable at standard temperature and pressure.

**Possibility Of Hazardous Reactions** Hazardous polymerization will not occur.

**Conditions To Avoid** Direct sunlight. Extremely high or low temperatures.

**Incompatible Materials** Strong acids. Strong bases. Strong oxidizers.

**Hazardous Decomposition Products** Carbon oxides (CO, CO<sub>2</sub>). Sulfur oxides.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Information On Toxicological Effects - Product

**Acute toxicity** : Not classified

**LD50 and LC50 Data:** Not available

**Skin corrosion/irritation:** Not classified

**Serious eye damage/irritation:** Not classified

**Respiratory or skin sensitization:** Not classified

**Germ cell mutagenicity:** Not classified

**Teratogenicity:** Not available

**Carcinogenicity:** Not classified

**Specific target organ toxicity (repeated exposure):** Not classified

**Reproductive toxicity:** Not classified

**Specific target organ toxicity (single exposure):** Not classified

**Aspiration hazard:** Not classified

**Symptoms/injuries after inhalation:** Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

**Symptoms/injuries after skin contact:** Contact during a long period may cause light irritation.

**Symptoms/injuries after eye contact:** May cause slight irritation.

**Symptoms/injuries after ingestion:** Abdominal pain.

#### Information On Toxicological Effects - Ingredient(s)

**LD50 and LC50 Data**

#### C.I. Acid orange 52 (547-58-0)

LD50 oral rat	60 mg/kg
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### SECTION 12: ECOLOGICAL INFORMATION

#### Toxicity

**Ecology - general:** No data available.

#### Persistence And Degradability

##### Bromocresol Green - Methyl Orange

Persistence and degradability	Not established.
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#### Bioaccumulative Potential

##### Bromocresol Green - Methyl Orange

Bioaccumulative potential	Not established.
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**Mobility In Soil** Not available

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste disposal recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Ecology - waste materials:** Avoid release to the environment.

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### SECTION 14: TRANSPORT INFORMATION

In accordance with ICAO/IATA/DOT/TDG

UN Number Not regulated for transport

UN Proper Shipping Name Not regulated for transport

### SECTION 15: REGULATORY INFORMATION

#### US Federal regulations

**Phenol, 4,4'-(3H-1,2-benzoxathiol-3-ylidene)bis[2,6-dibromo-3-methyl-, S,S-dioxide, monosodium salt (62625-32-5)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**C.I. Acid orange 52 (547-58-0)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Water (7732-18-5)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### US State regulations

**Phenol, 4,4'-(3H-1,2-benzoxathiol-3-ylidene)bis[2,6-dibromo-3-methyl-, S,S-dioxide, monosodium salt (62625-32-5)**

U.S. - Maine - Chemicals of High Concern

U.S. - Minnesota - Chemicals of High Concern

U.S. - Minnesota - Chemicals of High Concern - Persistent Bioaccumulative Toxins

#### Canadian regulations

**Phenol, 4,4'-(3H-1,2-benzoxathiol-3-ylidene)bis[2,6-dibromo-3-methyl-, S,S-dioxide, monosodium salt (62625-32-5)**

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification

Uncontrolled product according to WHMIS classification criteria

**C.I. Acid orange 52 (547-58-0)**

Listed on the Canadian DSL (Domestic Substances List) inventory.

Listed on the Canadian Ingredient Disclosure List

WHMIS Classification

Uncontrolled product according to WHMIS classification criteria

**Water (7732-18-5)**

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification

Uncontrolled product according to WHMIS classification criteria

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

### SECTION 16: OTHER INFORMATION

Indication of changes : 05/13/2013

Other information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

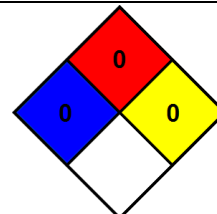
#### GHS Full Text Phrases:

Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
H301	Toxic if swallowed

**NFPA health hazard** : 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

**NFPA fire hazard** : 0 - Materials that will not burn.

**NFPA reactivity** : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



#### HMIS III Rating

**Health** : 0 Minimal Hazard - No significant risk to health

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**Flammability** : 0 Minimal Hazard  
**Physical** : 0 Minimal Hazard

### **Party Responsible For The Preparation Of This Document:**

OFI Testing Equipment

Phone Number: 832-320-7300

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

North America GHS US 2012 & WHMIS