



## Material Safety Data Sheet Cresol Red – Thymol Blue, Aqueous

### Section 1 - Chemical Product and Company Identification

**MSDS Name:**

Cresol Red – Thymol Blue, Aqueous

**Catalog Numbers:**

LC13540

**Synonyms:**

None

**Company Identification:**

LabChem Inc  
200 William Pitt Way  
Pittsburgh, PA 15238

**Company Phone Number:**

(412) 826-5230

**Emergency Phone Number:**

(800) 424-9300

**CHEMTREC Phone Number:**

(800) 424-9300

### Section 2 – Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
7732-18-5	Water	balance
62625-21-2	Thymol blue, sodium salt	0.075
62625-29-0	Cresol red, sodium salt	0.025

### Section 3 - Hazards Identification

#### Emergency Overview

**Appearance:** *Dark red solution***Caution.** May cause eye, skin, respiratory and gastrointestinal tract irritation.**Target Organs:** *None.***Potential Health Effects****Eye:**

May cause mild eye irritation.

**Skin:**

May cause mild skin irritation.

**Ingestion:**

May cause gastrointestinal irritation with nausea, vomiting, and diarrhea.

**Inhalation:**

May cause respiratory tract irritation.

**Chronic:**

No information found.



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### Section 4 - First Aid Measures

**Eyes:**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:**

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical aid if irritation develops.

**Ingestion:**

Do not induce vomiting unless directed to do so by medical personnel. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid at once.

**Inhalation:**

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:**

Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

**General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Irritating and toxic gases may be generated by thermal decomposition or combustion. Move container if possible. Avoid breathing vapors.

**Extinguishing Media:**

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

**Autoignition Temperature:**

No information found.

**Flash Point:**

No information found.

**NFPA Rating:**

CAS# 7732-18-5: H- 0; F- 0; I- 0

CAS# 62625-21-2: Not published.

CAS# 62625-29-0: H- 1; F- 1; I-0

**Explosion Limits:**

Lower: n/a Upper: n/a

### Section 6 - Accidental Release Measures

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Absorb spills with absorbent (vermiculite, sand, fuller's earth) and place in plastic bags for later disposal.



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### Section 7 - Handling and Storage

**Handling:**

Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing.

**Storage:**

Store capped at room temperature. Protect from heat and incompatibles.

### Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits:**

Chemical Name:	ACGIH	NIOSH	OSHA
Water	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
Thymol blue, sodium salt	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
Cresol red, sodium salt	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.

**OSHA Vacated PELs:**

None of the components are listed.

**Personal Protective Equipment****Eyes:**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:**

Wear appropriate gloves to prevent skin exposure.

**Clothing:**

Wear appropriate protective clothing to prevent skin exposure.

**Respirators:**

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

### Section 9 - Physical and Chemical Properties

<b>Physical State:</b>	Liquid
<b>Color:</b>	Dark red
<b>Odor:</b>	Odorless
<b>pH:</b>	7-8
<b>Vapor Pressure:</b>	No information found.
<b>Vapor Density:</b>	No information found.
<b>Evaporation Rate:</b>	No information found.
<b>Viscosity:</b>	No information found.
<b>Boiling Point:</b>	100°C (212°F).
<b>Freezing/Melting Point:</b>	0°C (32°F).



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<b>Decomposition Temperature:</b>	No information found.
<b>Solubility in water:</b>	Soluble
<b>Specific Gravity/Density:</b>	1.0
<b>Molecular Formula:</b>	Not applicable.
<b>Molecular Weight:</b>	Not applicable.

### Section 10 - Stability and Reactivity

**Chemical Stability:**

Stable under normal temperatures and pressures. Thymol blue may decompose at elevated temperatures.

**Conditions to Avoid:**

Incompatible materials, high temperatures.

**Incompatibilities with Other Materials:**

Oxidizers.

**Hazardous Decomposition Products:**

Carbon monoxide, carbon dioxide, oxides of sulfur.

**Hazardous Polymerization:**

Has not been reported.

### Section 11 - Toxicological Information

**RTECS:**

CAS# 7732-18-5: ZC0110000.

CAS# 62625-21-2: unlisted.

CAS# 62625-29-0: unlisted.

**LD50/LC50:**

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg.

CAS# 62625-21-2:

No information found.

CAS# 62625-29-0:

No information found.

**Carcinogenicity:**

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 62625-21-2: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 62625-29-0: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

**Epidemiology:**

No information found.

**Teratogenicity:**

No information found.

**Reproductive:**

No information found.

**Mutagenicity:**

No information found.



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### Neurotoxicity:

No information found.

## Section 12 - Ecological Information

No information found.

## Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

## Section 14 - Transport Information

### US DOT

**Shipping Name:** Not regulated.

**Hazard Class:**

**UN Number:**

**Packing Group:**

## Section 15 - Regulatory Information

### US Federal

#### TSCA:

CAS# 7732-18-5 is listed on the TSCA Inventory.

CAS# 62625-21-2 is listed on the TSCA Inventory.

CAS# 62625-29-0 is listed on the TSCA Inventory.

#### SARA Reportable Quantities (RQ):

None of the components are on this list.

#### CERCLA/SARA Section 313:

None of the components are on this list.

#### OSHA - Highly Hazardous:

None of the chemicals in this product are considered highly hazardous by OSHA.

### US State

#### State Right to Know:

None of the components are listed on state Right to Know lists.

#### California Regulations:

None.

### European/International Regulations

#### Canadian DSL/NDSL:

CAS# 7732-18-5 is listed on Canada's DSL List.

CAS# 62625-21-2 is listed on Canada's DSL List.

CAS# 62625-29-0 is listed on Canada's NDSL List.

#### Canada Ingredient Disclosure List:

CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.



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CAS# 62625-21-2 is not listed on Canada's Ingredient Disclosure List.

CAS# 62625-29-0 is not listed on Canada's Ingredient Disclosure List.

### Section 16 - Other Information

MSDS Creation Date: April 18, 1998

Revision Date: October 23, 2008

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