

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : 4-(Methylamino) Phenol Sulfate Solution  
Product code : LC16840

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : For laboratory and manufacturing use only

#### 1.3. Details of the supplier of the safety data sheet

LabChem Inc  
Jackson's Pointe Commerce Park Building 1000, 1010 Jackson's Pointe Court  
Zelienople, PA 16063 - USA  
T 412-826-5230 - F 724-473-0647  
[info@labchem.com](mailto:info@labchem.com) - [www.labchem.com](http://www.labchem.com)

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300 or 011-703-527-3887

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Skin sensitization Category 1 H317  
Full text of H statements : see section 16

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning  
Hazard statements (GHS-US) : H317 - May cause an allergic skin reaction  
Precautionary statements (GHS-US) : P261 - Avoid breathing mist, vapors, spray  
Contaminated work clothing must not be allowed out of the workplace  
P280 - Wear protective gloves, eye protection  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention  
P362 + P364 - Take off contaminated clothing and wash it before reuse  
P501 - Dispose of contents/container to comply with local, state and federal regulations

#### 2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

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Name	Product identifier	%	GHS-US classification
Water	(CAS No) 7732-18-5	79.8	Not classified
Sodium Bisulfite (Sodium Hydrogen Sulfite)	(CAS No) 7631-90-5	20	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302
4-(Methylamino)phenol Sulfate	(CAS No) 55-55-0	0.2	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- 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).
- First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest.
- First-aid measures after skin contact : Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause an allergic skin reaction.
- Symptoms/injuries after skin contact : May cause an allergic skin reaction.
- Symptoms/injuries after ingestion : Nausea. Vomiting. Diarrhoea.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Obtain medical assistance.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

No additional information available

#### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

- Protective equipment : Safety glasses. Gloves.
- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : 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. Avoid breathing mist, vapors, spray.
- Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep container closed when not in use.
- Incompatible products : Strong oxidizers. Strong acids. Acid chlorides. Acid anhydrides.
- Incompatible materials : Sources of ignition. Direct sunlight.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 4-(Methylamino)phenol Sulfate (55-55-0)

Not applicable

##### Sodium Bisulfite (Sodium Hydrogen Sulfite) (7631-90-5)

ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (Sodium bisulfite; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>

##### Water (7732-18-5)

Not applicable

#### 8.2. Exposure controls

- Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure good ventilation of the work station.
- Personal protective equipment : Safety glasses. Gloves.



- Hand protection : Wear protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Respiratory protection : Respiratory protection not required in normal conditions.
- Other information : Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Color : Yellow
- Odor : characteristic
- Odor threshold : No data available
- pH : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : No data available
- Relative evaporation rate (butyl acetate=1) : No data available
- Flammability (solid, gas) : Non flammable.
- Vapor pressure : No data available
- Relative vapor density at 20 °C : No data available
- Relative density : No data available

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Solubility	: Soluble in water.
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong oxidizers. Acid anhydrides. Acid chlorides.

### 10.6. Hazardous decomposition products

Sulfur compounds. Carbon monoxide. Carbon dioxide. Nitrogen oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Likely routes of exposure	: Inhalation; Skin and eye contact
Acute toxicity	: Not classified

#### 4-(Methylamino)phenol Sulfate (55-55-0)

ATE US (oral)	500.000 mg/kg body weight
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#### Sodium Bisulfite (Sodium Hydrogen Sulfite) (7631-90-5)

LD50 oral rat	2150 - 2610 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Read-across; 2746 mg/kg bodyweight; Rat; Equivalent or similar to OECD 401; Read-across)
LD50 dermal rat	> 2000 mg/kg body weight (Rat; Read-across; OECD 402: Acute Dermal Toxicity)
ATE US (oral)	1420.000 mg/kg body weight

#### Water (7732-18-5)

LD50 oral rat	≥ 90000 mg/kg
ATE US (oral)	90000.000 mg/kg body weight

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

#### Sodium Bisulfite (Sodium Hydrogen Sulfite) (7631-90-5)

IARC group	3 - Not classifiable
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Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified

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Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: May cause an allergic skin reaction.
Symptoms/injuries after skin contact	: May cause an allergic skin reaction.
Symptoms/injuries after ingestion	: Nausea. Vomiting. Diarrhoea.

## SECTION 12: Ecological information

### 12.1. Toxicity

Sodium Bisulfite (Sodium Hydrogen Sulfite) (7631-90-5)	
LC50 fish 1	316 mg/l (LC50; DIN 38412-15; 96 h; Leuciscus idus; Static system; Fresh water; Read-across)
EC50 Daphnia 1	89 mg/l (EC50; EU Method; 48 h; Daphnia magna; Static system; Fresh water; Read-across)
Threshold limit algae 1	43.9 mg/l (EC50; Equivalent or similar to OECD 201; 96 h; Desmodesmus subspicatus; Static system; Fresh water; Read-across)

### 12.2. Persistence and degradability

4-(Methylamino) Phenol Sulfate Solution	
Persistence and degradability	Not established.
Sodium Bisulfite (Sodium Hydrogen Sulfite) (7631-90-5)	
Persistence and degradability	No test data available. No test data on mobility of the substance available. Not established.
ThOD	0.154 g O <sub>2</sub> /g substance
Water (7732-18-5)	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

4-(Methylamino) Phenol Sulfate Solution	
Bioaccumulative potential	Not established.
Sodium Bisulfite (Sodium Hydrogen Sulfite) (7631-90-5)	
Bioaccumulative potential	No bioaccumulation data available. Not established.
Water (7732-18-5)	
Bioaccumulative potential	Not established.

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on the global warming	: No known effects from this product.
GWPmix comment	: No known effects from this product.
Other information	: Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with local, state and federal regulations.
Ecology - waste materials	: Avoid release to the environment.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT  
Not regulated

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### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### 4-(Methylamino) Phenol Sulfate Solution

SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
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All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

##### Sodium Bisulfite (Sodium Hydrogen Sulfite) (7631-90-5)

RQ (Reportable quantity, section 304 of EPA's List of Lists)	5000 lb
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#### 15.2. International regulations

##### CANADA

##### 4-(Methylamino) Phenol Sulfate Solution

WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
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##### Sodium Bisulfite (Sodium Hydrogen Sulfite) (7631-90-5)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
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##### Water (7732-18-5)

WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
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#### EU-Regulations

No additional information available

#### National regulations

##### Sodium Bisulfite (Sodium Hydrogen Sulfite) (7631-90-5)

Listed on the Canadian IDL (Ingredient Disclosure List)

#### 15.3. US State regulations

No additional information available

### SECTION 16: Other information

Revision date : 09/02/2016

Other information : None.

Full text of H-phrases: see section 16:

H290	May be corrosive to metals
H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

NFPA health hazard

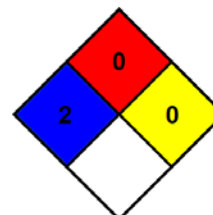
: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

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.



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### HMIS III Rating

Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	: 0 Minimal Hazard - Materials that will not burn
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
Personal protection	: B B - Safety glasses, Gloves

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