



# Safety Data Sheet

## AURAMINE-RHODAMINE

## **SECTION 1: Identification**

## 1.1 GHS Product identifier

Product name AURAMINE-RHODAMINE

Product number AURH-500M  
Brand Hurstchem

### 1.3 Recommended use of the chemical and restrictions on use

## Laboratory Reagent

## 1.4 Supplier's details

Name Hurst Scientific  
Address 2/36 Hensbrook Loop  
6112 Forrestdale WA  
Australia

Telephone 1300 778 068  
email sales@hurstscientific.com.au

## 1.5 Emergency phone number

Australian Poisons Information Centre 131 126  
Australian Emergency Services 000

## **SECTION 2: Hazard identification**

## General hazard statement

Classified as a Hazardous substance according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

## 2.1 Classification of the substance or mixture

**GHS classification in accordance with: OSHA (29 CFR 1910.1200)**

- Skin corrosion/irritation, Cat. 1B
- Eye damage/irritation, Cat. 1
- Germ cell mutagenicity, Cat. 2
- Specific target organ toxicity (repeated exposure), Cat. 2
- Carcinogenicity, Cat. 2
- Acute toxicity, inhalation, Cat. 3

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- Acute toxicity, dermal, Cat. 4
- Acute toxicity, oral, Cat. 4

### 2.2 GHS label elements, including precautionary statements.

#### Pictograms



1. Corrosion; 2. Health hazard; 3. Skull and crossbones; 4. Exclamation mark

#### Signal word

#### Danger

#### Hazard statement(s)

H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H341	Suspected of causing genetic defects [route]
H373	May cause damage to organs [organs] through prolonged or repeated exposure [route]
H351	Suspected of causing cancer [route]
H331	Toxic if inhaled.
H312	Harmful in contact with skin
H302	Harmful if swallowed.

#### Precautionary statement(s)

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363	Wash contaminated clothing before reuse.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310	Immediately call a POISON CENTER/doctor/...
P321	Specific treatment (see ... on this label).
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of contents/container to ...
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P311	Call a POISON CENTER/doctor/...
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P312	Call a POISON CENTER/doctor/.../ if you feel unwell.
P362+P364	Take off contaminated clothing and wash it before reuse.
P270	Do not eat, drink or smoke when using this product.
P301+P312	IF SWALLOWED: Call a POISON CENTER /doctor/...if you feel unwell,
P330	Rinse mouth.

### 2.3 Other hazards which do not result in classification.

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Classified as a Dangerous goods according to the ADG Code for the Transport of Dangerous Goods by Road and Rail (7th Edition).

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Hazardous components

###### 1. C.I. Food Red 15

Concentration 0.5 % (volume)  
CAS no. 81-88-9

###### 2. AURAMINE O

Concentration 1 % (volume)  
CAS no. 2465-27-2

###### 3. PHENOL, LIQUIFIED

Concentration 8 % (volume)  
CAS no. 108-95-2

###### 4. Glycerol

Concentration 50 % (volume)  
CAS no. 56-81-5

###### 5. Water

Concentration Balance  
CAS no. 7732-18-5

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### SECTION 4: First-aid measures

#### 4.1 Description of necessary first-aid measures

If inhaled	Evacuate to fresh air immediately. If unconscious place in recovery position, provide artificial respiration if breathing ceases. Seek immediate medical attention.
In case of skin contact	Remove contaminated clothing and wash affected area with soap and water thoroughly and rinse with Methylated Spirits. Seek medical attention immediately.
In case of eye contact	Flush eyes with copious amounts of water for at least 15 minutes. Seek immediate medical attention.
If swallowed	DO NOT induce vomiting. Rinse mouth thoroughly with water. Seek immediate medical attention.
Personal protective equipment for first-aid responders	Eye wash station, safety shower and First Aid kit.

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**4.3 Indication of immediate medical attention and special treatment needed, if necessary**  
Treat symptomatically.

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### SECTION 5: Fire-fighting measures

**5.1 Suitable extinguishing media**  
Use foam, dry chemical, Carbon Dioxide, or water spray.

**5.2 Specific hazards arising from the chemical.**  
Toxic gases may evolve.

**5.3 Special protective actions for fire-fighters**  
Wear SCBA (Self-Contained Breathing Apparatus) and full protective equipment.

**Further information**  
Hazchem code 2X

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### SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment, and emergency procedures**  
Wear appropriate protective clothing to reduce exposure. Ensure adequate ventilation. If possible, contain the spill. Evacuate all unnecessary personnel.

**6.3 Methods and materials for containment and cleaning up.**  
Absorb with vermiculite or similar and place into a suitably labelled container. Dispose of waste according to local authority guidelines. Do not contaminate drains or waterways.

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### SECTION 7: Handling and storage

**7.1 Precautions for safe handling**  
Use only in an adequately ventilated area. Avoid breathing in mists or vapours. Wear appropriate protective clothing to avoid any exposure and practice good personal hygiene.

**7.2 Conditions for safe storage, including any incompatibilities.**  
Store in a cool dry, well-ventilated area away from direct sunlight and incompatibles. Keep in original container, tightly closed.

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### SECTION 8: Exposure controls/personal protection

**8.1 National exposure Standards**  
1. PHENOL: [TWA] 1ppm, 4mg/m<sup>3</sup>

**8.2 Appropriate engineering controls**  
Ensure adequate ventilation to maintain airborne concentrations below national exposure standards.

**8.3 Individual protection measures, such as personal protective equipment (PPE)**

**Eye/face protection**  
Safety glasses or goggles.

**Skin protection**  
Chemical-resistant (nitrile) gloves and laboratory coat.

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### Respiratory protection

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirators when necessary.

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## SECTION 9: Physical and chemical properties

### Basic physical and chemical properties

Appearance	Yellow Liquid
Colour	Yellow
Odor	Odourless
Melting point/freezing point	N/A
Boiling point or initial boiling point and boiling range	Approx. 100°C
Flammability	N/A
pH	N/A
Solubility	Soluble (Water)
Vapor pressure	N/A
Density and/or relative density	N/A
Relative vapor density	N/A

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Non-reactive under recommended conditions for use and storage.

### 10.2 Chemical stability

Stable under recommended conditions for use and storage.

### 10.3 Possibility of hazardous reactions

Polymerisation will not occur.

### 10.4 Conditions to avoid.

Temperature extremes, sources of ignition and direct sunlight.

### 10.5 Incompatible materials

Strong oxidisers, strong alkalis, combustible materials, Nitrates and acids.

### 10.6 Hazardous decomposition products

Toxic gases may evolve.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Skin corrosion/irritation

Causes severe burns.

#### Serious eye damage/irritation

Causes serious damage to eyes.

#### Respiratory or skin sensitization

Not classification available.

#### Germ cell mutagenicity

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Phenol – Category 3: Suspected of causing genetic defects.

### Carcinogenicity

Phenol – Category 3: Not classifiable as to its carcinogenicity to humans.

### Reproductive toxicity

No classification available.

### Specific target organ toxicity (STOT) - single exposure.

No classification available.

### Specific target organ toxicity (STOT) - repeated exposure.

Category 2: Can be presumed to have the potential to be harmful to human health following repeated or prolonged exposure.

### Aspiration hazard

No classification available.

### Additional information

**TOXICITY DATA:** Phenol LD50 (Oral, Rat): 317mg/kg

LD50 (Dermal, Rat): 669 mg/kg

**HEALTH EFFECTS:**

**Eye Contact:**

Can cause serious eye damage as well as irritation, redness, lacrimation, and pain.

**Skin Contact:**

Can cause severe skin burns as well as irritation, redness, itching and drying. Prolonged or repeated exposure may lead to dermatitis.

**Inhalation:**

May cause irritation to the upper respiratory tract resulting in coughing, difficulty breathing and shortness of breath.

**Ingestion:**

Harmful if swallowed. May cause irritation to the mucous membranes of the mouth, throat, and stomach resulting in nausea, vomiting and diarrhoea.

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## SECTION 12: Ecological information

### Ecotoxicity

Phenol is toxic for aquatic organisms. Fish Toxicity; Rainbow Trout LC50: 5.4mg/l/96h Daphnia Toxicity; Daphnia magna EC50: 56 mg/l /48h Algal Toxicity; Sc. quadricauda IC5: 7.5 mg/l/8d Bacterial Toxicity; Ps. Putida EC5: 64 mg/l /16h

### Persistence and degradability

No data available on this mixture.

### Bioaccumulate potential

Bioaccumulate potential Not expected to bio-accumulate.

### Mobility in soil

Not available on this mixture.

### Environmental fate (exposure)

Do not contaminate drains and waterways.

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## SECTION 13: Disposal considerations

### Disposal methods and containers

Dispose of in accordance with local authority guidelines.

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Special precautions  
Nil.

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### SECTION 14: Transport information

**UN Number:** 2821

**Class:** 6.1

**Packing Group:** II

**Proper Shipping Name:** Phenol solution

**Special precautions:** This material Class 6.1 (Toxic) is incompatible in a placard load with any of the following:

Class 1

Class 3, if the Class 3 dangerous goods are nitromethane,

Class 8, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids.

and are incompatible with food and food packaging in any quantity.

Hazchem emergency code 2X

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### SECTION 15: Regulatory information

#### 15.2 Chemical Safety Assessment

- **Poison Schedule:** Not scheduled.
- **TWA (Time Weighted Average):** The average airborne concentration of a particular substance when calculated over a normal eight hour working day, for a five-day week.

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### SECTION 16: Other information

#### 16.1 Further information/disclaimer

##### References

1. Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (2011).
2. Safe Work Australia, National Code of Practice for the Labelling of Workplace Hazardous Chemicals (2015).
3. Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants (2013)
4. National Transport Commission Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code); Can print: Canberra (2007), Volume 1, 7th Edition.
5. Standards Australia, Dangerous Goods Initial Emergency Response Guide: Australian Handbook (SAA/SNZ HB76); Homebush (2004).

#### 16.2 Preparation information

##### Disclaimer

This SDS is prepared in accordance with the Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (2011). The information contained within is believed to be accurate at the date of preparation/review. Hurst Scientific makes no claims of the accuracy or completeness of the information and excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. It is recommended the user make their own determinations as to the suitability of the information provided to the application in which the product is to be used.

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