

SAFETY DATA SHEET

AURAMINE-RHODAMINE SOLUTION

Section 1 - Chemical Product and Company Identification

SDS Name: Auramine-Rhodamine solution

Catalog Numbers: SO-868 & A-102-2

Company Identification: ROWLEY BIOCHEMICAL
10 ELECTRONICS AVENUE
DANVERS, MA 01923

For information, call: 978-739-4883

Emergency Number: 800-424-9300

For CHEMTREC assistance, call: 800-424-9300

Section 2 - Hazards Identification

GHS Classifications

HEALTH HAZARDS

H302-Acute Oral Toxicity: 4
H312-Acute Dermal Toxicity: 4
H332-Acute Inhalation Toxicity: 4
H315-Skin Corrosion/Skin Irritation: 2
H319-Eye damage/Irritation: 2A
H334-Respiratory Sensitization: 1
H317-Skin Dermal Sensitization: 1
H341-Germ Cell Mutagenicity: 2
H361-Reproductive Toxicity: 2
H304-Aspiration Hazard: 1

PHYSICAL HAZARDS

H290-Corrosive to Metal: N/A

ENVIRONMENTAL HAZARDS

H401-Aquatic acute environmental Hazards: 2
H411-Chronic environmental Hazards: 2

Pictograms or Hazard symbols and Hazard statement.



Harmful if swallowed.
Harmful in contact with skin.
Harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.



May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Suspected of causing genetic defects.
Suspected of damaging fertility or the unborn child.

Precautionary Statement

H302

P264 Wash thoroughly after handling.

P270 Do not eat, drink, or smoke when using this product.

P301 + P312 If swallowed, call a physician if you feel unwell.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

P330 Rinse mouth.

H312

P280 Wear protective gloves, clothing, and eye and face protection.

P302 + P352 If on skin, wash with plenty of water. Remove contact lenses if present and easy to do so. Continue rinsing.

P312 Call a physician if you feel unwell

P361 + P363 Take off immediately all contaminated clothing and wash it before reuse.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

H332

P261 Avoid breathing fumes/mist/vapors.

P304 + P340 If inhaled, remove person to fresh air and keep comfortable for breathing.

1 Use only outdoors or in a well-ventilated area.

P312 Call a physician if you feel unwell.

H315

P280 Wear protective gloves, clothing, and eye and face protection.

P302 + P352 If on skin, wash with plenty of water. Remove contact lenses if present and easy to do so. Continue rinsing.

P332 + P313 If skin irritation occurs, get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

H319

P305 + P351 + P338 If in eyes, rinse cautiously with water for several minutes.

P337 + P313 If eye irritation persists, get medical advice/attention.

P285 In case of inadequate ventilation, wear respiratory protection.

P304+P341 IF INHALED: if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342+P311 if experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

H334

P261 Avoid breathing fumes/mist/vapors.

P285 In case of inadequate ventilation, wear respiratory protection.

P304+P341 IF INHALED: if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342+P311 if experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

H317

P272 Contaminated work clothing should not be allowed out of the work place.

P333+P313 IF ON SKIN: Wash with plenty of soap and water.

P363 Wash contaminated clothing before reuse.

H341+H361

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P281 Use personal protective equipment as required.

P308 + P313 If exposed or concerned, get medical advice/attention.

P405 Store locked up.

H361

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P281 Use personal protective equipment as required.

P308 + P313 IF exposed or concerned: Get medical advice/attention.

P405 Store locked up

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

H304

P331-Do NOT induce vomiting.

H401

P273 Avoid release to the environment.

H411

P273 Avoid release to the environment.

P391 Collect spillage.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
2465-27-2	Auramine	1.1 w/v
81-88-9	Rhodamine B	0.55 w.v
56-87-5	Glycerin	55.6 v.v
108-95-2	Phenol	7.4 v.v

Section 4 - First Aid Measures

Eye Exposure: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Dermal Exposure: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

Oral Exposure: If Swallowing seek immediate medical advice.

Inhalation Exposure: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Section 5 - Fire Fighting Measures

Firefighters should wear proper protective clothing and self contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes.

Extinguishing Media: Use water spray, dry chemical powder, or appropriate foam.

Flash Point: N/A

NFPA Rating: (estimated) Health: 2; Flammability: 0; Instability: 0

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precaution(s):

Wear protective gear.

Methods for Cleaning up: Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

Section 7 - Handling and Storage

Use care when handling. Wash thoroughly after handling. Store capped at room temperature. Keep away from incompatible materials.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

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 protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance: Red

Vapor Pressure: N/A

Vapor Density: N/A

Evaporation Rate: N/A

Viscosity: N/A

Boiling Point: N/A

Freezing/Melting Point: N/A

Section 10 - Stability and Reactivity

Chemical Stability: Stable under ordinary conditions of use and storage. Heat and sunlight can contribute to instability.

Conditions to Avoid: Heat, freezing, incompatible materials.

Incompatibilities with Other Materials: Acetic anhydride, chlorosulfonic acid, hexachloromelamine, nitric acid, nitrogen tetroxide and sulfuric acid, nitrobenzene and glycerine, oleum, ozone, perchloric acid + formaldehyde, perchromates, performic acid, potassium peroxide, propiolactone (beta), silver perchlorate, sodium peroxide, sulfuric acid, trichloromelamine, oxidizing materials, acids, anilinium chloride, benzenediazonium-2-carboxylate, boron trichloride, 1-chloro-2,3 epoxypropane, dibenzoyl peroxide, nitromethane, nitrous acid, and tetranitromethane, organic materials, alkalis.

Hazardous Decomposition Products: Carbon monoxide, hydrogen chloride, nitrogenoxides, carbon dioxide, irritating and toxic fumes.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#:

LD50/LC50:

CAS# 2465-27-2:

Oral mouse LD50: 480 mg/kg.

CAS# 81-88-9:

Oral mouse LD50: 887 mg/kg.

CAS# 56-81-5:

Oral rat LD50: 12600 mg/kg.

Dermal mouse LD50: 4090 mg/kg.

CAS# 108-95-2:

Oral rat LD50: 317 mg/kg.

Oral mouse LD50: 270 mg/kg.

Dermal rabbit LD50: 630mg/kg.

Dermal rat LD50: 669 mg/kg.

Carcinogenicity:

CAS# 2465-27-2: Not Listed.

CAS# 81-88-9: Not Listed.

CAS# 56-81-5: Not Listed.

CAS# 108-95-2: Classified 3 (not classifiable for human) by IARC.

Section 12 - Ecological Information

Ecotoxicity: CAS # 56-81-5 LC50- 585 ppm 96 Hours [trout]

Environmental: No information available.

Physical: No information available.

Other: No information available.

Section 13 - Disposal Considerations

Appropriate method of disposal of substance or preparation:

Handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved wasted facility.

Section 14 – Transport Information

DOT

Non-Regulated

Section 15 - Regulatory Information

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

European/International Regulations

European Labeling in Accordance with EC Directives

Risk Phrases:

R23/24/25 Harmful by inhalation, in contact with skin and if swallowed

R36/38 Irritating to eyes and skin

R45 May cause cancer

Safety Phrases:

S20/21 When using do not eat, drink or smoke

S2 Keep out of the reach of children.

S7 Keep container tightly closed.

S9 Keep container in a well-ventilated place

Section 16 - Additional Information

MSDS Creation Date: 10/15/12

Revision #1. 7/14/14 YM-Co-sign RC

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