



# Safety Data Sheet

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Infosafe No™ 3CHK3 Issue Date : November 2019 RE-ISSUED by ABS

Product Name : **AURAMINE RHODAMINE Stain**

Classified as hazardous

## 1. Identification

<b>GHS Product Identifier</b>	AURAMINE RHODAMINE Stain
<b>Product Code</b>	AAR
<b>Product Type</b>	Aqueous mixture.
<b>Company Name</b>	AUSTRALIAN BIOSTAIN Pty Ltd
<b>Address</b>	24 - 28 Stratton Drive, Traralgon, Victoria, Australia, 3844 www.australianbiostain.com.au
<b>Telephone/Fax Number</b>	Tel: (03) 5176 2855
<b>Emergency phone number</b>	CHEMCALL (24 hours): 1800 127 406 (Australia) / +64-4-917-9888 (International)
<b>Recommended use of the chemical and restrictions on use</b>	Hospital and pathology microbiology laboratories only.
<b>Other Information</b>	Australian Biostain Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Australian Biostain Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Australian Biostain Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

## 2. Hazard Identification

<b>GHS classification of the substance/mixture</b>	This product is classified as HAZARDOUS according to Approved Criteria for Classifying Hazardous Substances [NOSHC:1008] and/or list of Designated Hazardous Substances [NOHSC:10005] and the Hazardous Substances Information System [HSIS] Worksafe Australia May 2014. This product is classified as a DANGEROUS GOODS according to the Australian Code for the Transport and Storage of Dangerous Goods by Road and Rail Flammable Liquids: Category 3 Acute Toxicity - Oral: Category 3 Acute Toxicity - Dermal: Category 3 Acute Toxicity - Inhalation: Category 3 Eye Damage/Irritation: Category 1 Skin Corrosion/Irritation: Category 1B Germ Cell Mutagenicity: Category 2 Specific Target Organ Toxicity Single Exposure: Category 1 Carcinogenicity: Category 2
<b>Signal Word (s)</b>	DANGER
<b>Hazard Statement (s)</b>	H226 Flammable liquid and vapour. H301 Toxic if swallowed. H311 Toxic in contact with skin. H331 Toxic if inhaled. H314 Causes severe skin burns and eye damage. H341 Suspected of causing genetic defects. H371 May cause damage to organs. H351 Suspected of causing cancer.
<b>Pictogram (s)</b>	Skull and crossbones, Health hazard, Corrosion





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<b>Precautionary statement – Prevention</b>	<p>P201 Obtain special instructions before use.</p> <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P260 Do not breathe dust/fume/gas/mist/vapours/spray.</p> <p>P264 Wash thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p>
<b>Precautionary statement – Response</b>	<p>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.</p> <p>P330 Rinse mouth.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P312 Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P361 Remove/Take off immediately all contaminated clothing.</p> <p>P362 Take off contaminated clothing and wash before reuse.</p> <p>P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P310 Immediately call a POISON CENTER or doctor/physician.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P308+P313 IF exposed or concerned: Get medical advice/attention.</p>
<b>Precautionary statement – Storage</b>	P403+P233 Store in a well-ventilated place. Keep container tightly closed.
<b>Precautionary statement – Disposal</b>	P405 Store locked up. P501 Dispose of contents/container to an approved waste disposal plant.

### 3. Composition/information on ingredients

<b>Chemical Characterization</b>	Liquid				
<b>Information on Composition Ingredients</b>	This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.				
	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>	<b>Hazard Symbol</b>	<b>Risk Phrase</b>
	Glycerol	56-81-5	55.5 %		
	Ethanol	64-17-5	10 %		
	Phenol	108-95-2	4.5 %		
	Auramine-o	2465-27-2	1.12 %		
	Rhodamine B	81-88-9	0.56 %		
	Water to make a total of 100%	7732-18-5	-		

### 4. First-aid measures

<b>Inhalation</b>	If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Immediately medical attention is required.
<b>Ingestion</b>	Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek immediate medical advice.
<b>Skin</b>	Remove contaminated clothing and wash affected skin with soap and water. If rapid recovery does not occur, obtain medical attention
<b>Eye contact</b>	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. If rapid recovery does not occur, obtain medical attention
<b>First Aid Facilities</b>	Maintain eyewash fountain and safety shower in work area.
<b>Advice to Doctor</b>	Treat symptomatically based on judgement of doctor and individual reactions of the patient. Gastric lavage carries a severe risk of aspiration into lungs with potential to cause a chemical pneumonitis.
<b>Most important symptoms/effects, acute and delayed</b>	<p>Acute:-</p> <p>Swallowed: - Toxic. Nausea, headache, vomiting, euphoria, inebriation, impaired vision, acidosis and coma.</p> <p>Eye: - Irritation.</p> <p>Skin: - May cause local irritation.</p> <p>Inhaled: - irritation of mucous membranes.</p>
<b>Other Information</b>	For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.



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## 5. Fire-fighting measures

**Hazards from Combustion Products** Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. This will only occur after heating to dryness.

**Specific Methods** Fire decomposition products from this product are likely to be harmful if inhaled. Take suitable protective measures.

**Hazchem Code** Use extinguishing media most appropriate for the surrounding fire. No limitations to the type of extinguishing media.  
2X

## 6. Accidental release measures

**Spills & Disposal** In the event of spillage, use absorbent (soil, sand or inert medium) place into tightly closed containers. Adhere to personal protective measures. Flush the remainder with plenty of water. Label container and dispose of as hazardous waste.

**Personal Precautions** Wear personal protection, including apron, nitrile gloves and safety glasses. Avoid breathing vapours, carry out procedures in well-ventilated area, preferably in a NATA approved /Certified fume cupboard. In case of emergency, evacuate all personnel to a safe area. Contain and manage hazard if safe to do so. In case of fire, See Section 5. For spills see Section 6.3 below.

**Personal Protection** Wear protective clothing specified for normal operations (see Section 8)

**Clean-up Methods - Small Spillages** Wear personal protection as described above. Prevent material from spreading by using a suitable absorbent eg. Paper towel, sawdust or vermiculite around edges. Absorb spillage using the same materials. Collect absorbent material and place in a suitable collection container, seal and label as hazardous chemical waste including a description of the content including the pictograms as shown in Section 2.2 along with hazard statements. Dispose of waste through an approved and licensed authority.

## 7. Handling and storage

**Precautions for Safe Handling** Avoid contact with skin, eyes and clothing. Wear appropriate protective clothing, safety glasses, gloves. Wash hands and face thoroughly after working with material. Areas in which people handle this chemical should be equipped with safety showers. Remove contaminated clothing and wash before re-use. Avoid inhalation and ingestion. Under no circumstances eat, drink or smoke while handling this material. Use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

**Conditions for safe storage, including any incompatibilities** Store in tightly closed containers, in a cool, dry, ventilated area away from sources of heat or ignition.

**Storage Regulations** Refer Australian Standard AS/NZS 4452:1997 'The storage and handling of toxic substances'.

## 8. Exposure controls/personal protection

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Glycerol			10		As Glycerin mist
	Ethanol			1880	1000	
	Phenol			4	1	

**Other Exposure Information** These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity. The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term 'peak 'is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

**Respiratory Protection** Usually not required. Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be



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<b>Eye Protection</b>	selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.
<b>Hand Protection</b>	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336. Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation: Butyl rubber gloves Viton over Butyl unlined glove. Viton rubber gloves. Silver Shield gloves
<b>Personal Protective Equipment</b>	Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.
<b>Body Protection</b>	Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
<b>Hygiene Measures</b>	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## 9. Physical and chemical properties

<b>Form</b>	Liquid
<b>Appearance</b>	Reddish pink liquid.
<b>Odour</b>	Phenolic odour.
<b>Boiling Point</b>	Approx 100°C at 100kPa.
<b>Solubility in Water</b>	Completely soluble.
<b>Specific Gravity</b>	0.99 approx.

## 10. Stability and reactivity

<b>Chemical Stability</b>	Stable under normal use conditons.
<b>Conditions to Avoid</b>	Temperature extremes.
<b>Incompatible Materials</b>	Strong oxidizing agents. Strong acids.
<b>Hazardous Decomposition Products</b>	Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. This will only occur after heating to dryness. Carbon dioxide and carbon monoxide acids and acrid smoke. Fire decomposition products from this product are likely to be harmful if inhaled. Take suitable protective measures.
<b>Hazardous Polymerization</b>	Will not occur.

## 11. Toxicological Information

<b>Ingestion</b>	Harmful if swallowed. If ingested, severe burns of the mouth and throat, perforation of stomach and/or oesophagus may occur. Ingestion is not a typical route of occupational exposure.
<b>Inhalation</b>	Harmful by inhalation. May cause irritation of nose, throat, respiratory tract and lungs with coughing, burns, breathing difficulty. Breathing vapour or mist may result in digestive disturbances (vomiting, difficulty in swallowing, nausea, vomiting, diarrhoea, loss of appetite). Substance is unlikely to pose an inhalation hazard unless it is heated or misted, as it does not readily form a vapour at room temperature.
<b>Skin</b>	Harmful in contact with skin. Corrosive following skin contact. Skin contact and absorption is the most common route of occupational exposure. Repeated contact with dilute solutions or even brief contact with concentrated solutions can pose a risk to life. Readily absorbed through the skin and can cause harmful effects. Signs and symptoms of phenol toxicity develop rapidly and include central nervous system effects, muscle weakness, tremors, loss of coordination, effects on the heart and blood vessels, shock, sudden collapse, coma, convulsions, lung and kidney damage and death.
<b>Eye</b>	Risk of serious damage to eyes. Corrosive to the eyes. May cause severe irritation, eye burns, redness, pain, blurred vision and permanent damage, including blindness. Vapours are irritating to eyes.
<b>Respiratory sensitisation</b>	Not classified based on available information.
<b>Skin Sensitisation</b>	Not classified based on available information.



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**Germ cell mutagenicity** Germ Cell Mutagenicity: Category 2 H341 Suspected of causing genetic defects.  
**Carcinogenicity** Carcinogenicity: Category 2  
H351 Suspected of causing cancer.  
**Reproductive Toxicity** Not classified based on available information.  
**STOT-single exposure** Specific Target Organ Toxicity Single Exposure: Category 1  
H371 May cause damage to organs.  
**STOT-repeated exposure** Not classified based on available information.  
**Aspiration Hazard** Chemical pneumonitis. Strong irritation/ possible burns.  
**Serious eye damage/irritation** H314 Causes severe skin burns and eye damage.  
**Skin corrosion/irritation** H314 Causes severe skin burns and eye damage.

## 12. Ecological information

**Ecological Information** No ecological problems are to be expected when the product is handled and used with due care and attention.  
**Ecotoxicity** No ecological data available for this product.  
**Environmental Protection** Do not allow to enter waters, waste water, or soil!

## 13. Disposal considerations

**Disposal Considerations** Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.

## 14. Transport information

**Transport Information** Dangerous Goods of Class 6 (Toxic and Infectious Substances) are 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.  
**U.N. Number** 2810  
**UN proper shipping name** TOXIC LIQUID, ORGANIC, N.O.S. - (Contains Phenol 4.5%)  
**Transport hazard class(es)** 6.1  
**Hazchem Code** 2X  
**Packaging Method** 3.8.6.1RT7,RT8  
**Packing Group** III  
**EPG Number** 6B3  
**IERG Number** 36

## 15. Regulatory information

**Regulatory Information** All of the significant ingredients in this formulation are compliant with NICNAS regulations. Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.  
**Poisons Schedule** S6

## 16. Other Information

**Literature References** 'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia.  
Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997.  
National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007.  
Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', 2011.  
Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide',



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## Other Information

Standards Australia/Standards New Zealand, 2010.  
Safe Work Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]'.  
Safe Work Australia, 'Hazardous Chemical Information System, 2005'.  
Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances (2011)'.  
Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995) 3rd Edition]'.  
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