

Safety Data Sheet AURAMINE PHENOL (TRIAL MALAYSIA)

SDS no. 0DSWDDG • Version 1.1 • Date of issue: 2025-06-11

SECTION 1: Identification

GHS Product identifier

Product name	AURAMINE PHENOL (TRIAL MALAYSIA)
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Other means of identification

Product	Product Code
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AAUR2	Auramine Phenol
AAUR3	Auramine Phenol

Recommended use of the chemical and restrictions on use

Product type: Aqueous mixture.

Hospital and pathology microbiology laboratories only.

Supplier's details

Name	ChemSupply Australia Pty Ltd
Address	38-50 Bedford Street 5013 Gillman South Australia Australia

Telephone 08 8440 2000
email www.chemsupply.com.au

National contact

Name	Australian Biostain Pty Ltd
Address	16 Shipwright Road 5016 Largs North SA Australia

Emergency phone number

CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

SECTION 2: Hazard identification

General hazard statement

Classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

Classified as Hazardous according to the Globally Harmonised System of classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classification of the substance or mixture

GHS classification in accordance with: UN GHS revision 7

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- Acute toxicity, oral, Cat. 4
- Carcinogenicity, Cat. 2
- Serious eye damage/eye irritation, Cat. 1
- Flammable liquids, Cat. 3
- Germ cell mutagenicity, Cat. 2
- Skin corrosion/irritation, Cat. 1B
- Specific target organ toxicity following repeated exposure, Cat. 2

GHS label elements, including precautionary statements

Pictograms



Signal word

Danger

Hazard statement(s)

H226	Flammable liquid and vapor
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H341	Suspected of causing genetic defects
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof [electrical/ventilating/lighting/...] equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell,
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 [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor/physician if you feel unwell.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use agents recommended in Section 5 of SDS for extinction
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to an approved waste disposal facility

SECTION 3: Composition/information on ingredients

Mixtures

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Other components either not classified as Hazardous under the GHS, or below cut-off concentrations to be classified as Hazardous.

Component	Identification	Weight %	Classifications
Ethanol	CAS no.: 64-17-5 EC no.: 200-578-6 Index no.: 603-002-00-5	<= 20 %	CLASSIFICATIONS: Flammable liquids, Cat. 2; Eye damage/irritation, Cat. 2A. HAZARDS: H225 - Highly flammable liquid and vapor; H319 - Causes serious eye irritation.
Phenol	CAS no.: 108-95-2 EC no.: 203-632-7 Index no.: 604-001-00-2	<= 10 %	CLASSIFICATIONS: Germ cell mutagenicity, Cat. 2; Acute toxicity, inhalation, Cat. 3; Acute toxicity, dermal, Cat. 3; Acute toxicity, oral, Cat. 3; Specific target organ toxicity, repeated exposure, Cat. 2; Skin corrosion/irritation, Cat. 1B. HAZARDS: H301 - Toxic if swallowed; H311 - Toxic in contact with skin; H314 - Causes severe skin burns and eye damage; H331 - Toxic if inhaled; H341 - Suspected of causing genetic defects [route]; H373 - May cause damage to organs [organs] through prolonged or repeated exposure [route]. [SCLs/M-factors/ATEs]: *; Skin Corr. 1B; H314: C ≥ 3 %; Skin Irrit. 2; H315: 1 % ≤ C < 3 %; Eye Irrit. 2; H319: 1 % ≤ C < 3 %
Auramine o	CAS no.: 2465-27-2 EC no.: 219-567-2	<= 2 %	CLASSIFICATIONS: Acute toxicity, oral, Cat. 4; Carcinogenicity, Cat. 2; Eye damage/irritation, Cat. 2A. HAZARDS: H302 - Harmful if swallowed; H319 - Causes serious eye irritation; H351 - Suspected of causing cancer [route]. [SCLs/M-factors/ATEs]: ATE (oral): 1000 mg/kg; ATE (derm): 300 mg/kg

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice

First Aid Facilities: Maintain eyewash fountain in work area.

If inhaled

If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Immediately obtain medical aid if cough or other symptoms appear.

In case of skin contact

Remove contaminated clothing and wash affected skin with soap and water. If rapid recovery does not occur, obtain medical attention

In case of eye contact

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

If swallowed

Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek immediate medical advice.

Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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Indication of immediate medical attention and special treatment needed, if necessary

For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Caution: Use of water spray when fighting fire may be inefficient.

Small fire: Use foam, dry chemical, CO2 or water spray.

Large fire: Use foam, fog or water spray - Do not use water jets.

If safe to do so, move undamaged containers from fire area. Cool containers with flooding quantities of water until well after fire is out. Avoid getting water inside the containers.

Specific hazards arising from the chemical

Hazards from Combustion Products: May liberate toxic fumes in fire includes oxides of carbon.

Special protective actions for fire-fighters

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode.

Fight fire from safe location.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

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.

Methods and materials for containment and cleaning up

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.

SECTION 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.

SECTION 8: Exposure controls/personal protection

Control parameters

CAS: 108-95-2

Phenol

AU/SWA (Australia): 1 ppm; 4 mg/m3 TWA inhalation

CAS: 64-17-5

Ethanol

AU/SWA (Australia): 1000 ppm; 1880 mg/m3 TWA inhalation

Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

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

Eye/face protection

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.

Skin protection

Clean impervious clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Body protection

Footwear: Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.

Body Protection: Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Respiratory protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/ mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/ NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/ NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance, such as physical state and colour	Yellow liquid.
Colour	No data available.
Odour	Faint phenolic/ethanol odour.
Odour threshold	No data available.
Melting point and freezing point	No data available.
Boiling point or initial boiling point and boiling range	Approx 100°C at 100kPa.
Flammability	No data available.
Lower and upper explosion limit or lower and upper flammability limit	No data available.
Flash point	49C
Explosive properties	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Oxidising properties	No data available.
pH	6-12

Kinematic viscosity	No data available.
Solubility	No data available.
Partition coefficient — n-octanol/ water (logarithmic value)	No data available.
Vapour pressure	No data available.
Evaporation rate	No data available.
Density and relative density	Approx 1
Relative vapour density	No data available.
Particle characteristics	No data available.

Supplemental information regarding physical hazard classes
No data available.

Further safety characteristics (supplemental)
No data available.

SECTION 10: Stability and reactivity

Reactivity
Stable under normal conditions of storage and handling.

Risk of ignition. Vapours may form explosive mixtures with air

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
Hazardous Polymerization: Will not occur.

Vapours may form explosive mixture with air.

Conditions to avoid
Avoid storing in direct sunlight and avoid extremes of temperature.

Heat, flames and sparks.

Incompatible materials
Strong oxidizing agents
Strong acids

Hazardous decomposition 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. 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.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

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Ingestion: Toxic 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.

Inhalation: Toxic 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.

Skin corrosion/irritation

Causes severe skin burns. Corrosive to skin. The symptoms may include redness, itching and swelling, irritation, severe pain and chemical burns with resultant skin/tissue destruction.

Serious eye damage/irritation

Causes serious eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and chemical burns, resulting in possible blindness.

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

Category 2 H341 Suspected of causing genetic defects.

Carcinogenicity

Suspected of causing cancer. Classified as a suspected human carcinogen.

Reproductive toxicity

Not classified based on available information.

Specific target organ toxicity (STOT) - single exposure

Not classified based on available information.

Specific target organ toxicity (STOT) - repeated exposure

May cause damage to organs through prolonged or repeated exposure

Aspiration hazard

Not classified based on available information.

SECTION 12: Ecological information

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers.

Other disposal recommendations

Do not discharge this material into waterways, drains and sewers.

SECTION 14: Transport information

ADG (Road and Rail)

UN Number: 3267

Class: 8

Packing Group: II

Proper Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Contains Phenol)

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Environmental Hazards: Toxic for aquatic organisms. Toxic effect on fish and plankton. Forms toxic mixtures in water, dilution measures notwithstanding. Change in the flavour characteristics of fish protein. Endangers drinking-water supplies if allowed to enter soil or water.

Hazchem emergency action code (EAC)

2X

IMDG

UN Number: 3267

Class: 8

Packing Group: II

Proper Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Contains Phenol)

IATA

UN Number: 3267

Class: 8

Packing Group: II

Proper Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Contains Phenol)

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

Australia SUSMP

Poison Schedule: S6

SECTION 16: Other information

v1.1 - Formulation change. July 2026

Further information/disclaimer

ChemSupply Australia 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 ChemSupply Australia 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 ChemSupply Australia 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.

Preparation information

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Standard for the Uniform Scheduling of Medicines and Poisons, Commonwealth of Australia

National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'

Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', July 2020.

Safe Work Australia, 'National Guide for Classifying Hazardous Chemicals', July 2020.

Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants, December 2019

Safe Work Australia, Hazardous Chemical Information System (HCIS), hcis.safeworkaustralia.gov.au

IATA, Dangerous Goods Regulations (DGR)

IMO, International Maritime Dangerous Goods Code (IMDG)