



Safety Data Sheet

Southgate's Mucicarmine

SECTION 1: Identification

1.1 GHS Product identifier

Product name	Southgate's Mucicarmine
Product number	MCRM-100
Brand	Hurstchem

1.2 Other means of identification

MUCICARMINE

1.3 Recommended use of the chemical and restrictions on use Laboratory Reagents

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 Emergency Services: 000 (24 hours)
Australian Poisons Information Centre: 131 126 (24 hours)

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.

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

GHS classification of the substance/mixture: Flammable Liquids: Category 3
Serious Eye Damage/Irritation: Category 2A

2.1 Classification of the substance or mixture

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- Flammable liquids, Cat. 3
- Serious eye damage/eye irritation, Cat. 2A

2.2 GHS label elements, including precautionary statements.

Pictograms



1. Flame; 2. Exclamation mark

Signal word

Danger

Hazard statement(s)

H226 Flammable liquid and vapor
H319 Causes serious eye irritation.

Precautionary statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/.../ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P264 Wash ... thoroughly after handling.
P280 Wear eye protection/face protection/protective gloves.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P370+P378 In case of fire: Use ... to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local authority guidelines.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical Name	CAS Number	Concentration
Ethanol	64-17-5	50%
Water	7732-18-5	Balance
Carmine	1390-65-4	1%
Aluminium Hydroxide	21645-51-2	1%
Aluminium chloride	7446-70-0	<1%

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

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If inhaled	Evacuate to fresh air immediately. If unconscious place in recovery position, provide artificial respiration if breathing ceases. Seek medical attention.
In case of skin contact	Remove contaminated clothing and wash affected area with soap and water thoroughly. If irritation develops, seek medical attention.
In case of eye contact	Flush eyes with copious amounts of water for at least 15 minutes. Seek medical attention.
If swallowed	DO NOT induce vomiting. Wash mouth out with copious amounts of water. Seek medical attention.
First aid facilities	Eye wash station, safety shower and First Aid kit.
Advice to Doctor	Treat symptomatically and based on individual reactions of patient and judgement of a doctor.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Water fog or foam. Keep containers cool with water spray.

5.2 Specific hazards arising from the chemical.

Toxic gases may evolve (Oxides of Carbon).

5.3 Special protective actions for fire-fighters

Wear SCBA (Self-Contained Breathing Apparatus) and full protective equipment.

Further information

Hazchem code 2YE

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective equipment and ensure area is adequately ventilated. Remove all sources of ignition and evacuate unnecessary personnel.

6.3 Methods and materials for containment and cleaning up.

Absorb with vermiculite or similar and place into suitably labelled containers for later disposal. Do NOT contaminate drains or waterways.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use in well-ventilated areas away from all sources of ignition. Wear appropriate protective equipment and observe good personal hygiene practices and procedures to avoid contact with eyes, skin, and clothing.

7.2 Conditions for safe storage, including any incompatibilities.

Store in tightly closed containers in a cool, dry, well-ventilated environment away from sources of ignition and check regularly for leaks.

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SECTION 8: Exposure controls/personal protection

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)

Body protection

Wear suitable protective clothing, safety glasses or chemical resistant splash-proof goggles to prevent eye contact and nitrile/neoprene gloves. If working within a confined area always use a suitable respirator.

Biological Limit Values

Not available for this mixture.

National exposure standards

Ethanol (100%) – [TWA]: 1000 ppm/1880 mg m⁻³ (NES)

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.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Appearance	Dark red liquid
Odor	Distinct Alcohol odour
Melting point/freezing point	Not available
Boiling point or initial boiling point and boiling range	Ethanol: 78 °C
Lower and upper explosion limit/flammability limit	Ethanol: 3.5% - 19%
Flash point	Ethanol: 13 °C (closed cup)
pH	Not available
Solubility	Soluble
Vapor pressure	Not available
Density and/or relative density	Approx. 1.0
Relative vapor density	Not available

SECTION 10: Stability and reactivity

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.

Heat, direct sunlight, moisture, sparks, flame, and build-up of static electricity.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

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Can produce carbon dioxide and carbon monoxide.

SECTION 11: Toxicological information

HEALTH EFFECTS:

Eye Contact

Irritating to eyes. Exposure may result in lacrimation, irritation, pain, and redness.

Skin Contact

May cause irritation, redness, and itching. Prolonged contact may result in drying and defatting of the skin, rash, and dermatitis.

Ingestion

May result in gastrointestinal irritation, nausea, vomiting, abdominal pain, diarrhoea, headache, dizziness, and drowsiness.

Inhalation

Vapour is moderately irritating to the mucous membranes and respiratory tract. Caution, inhalation of the vapour may result in drunkenness, headache, nausea, incoordination, narcosis and vomiting.

Skin corrosion/irritation

No classification.

Serious eye damage/irritation

No classification.

Respiratory or skin sensitization

No classification.

Germ cell mutagenicity

No classification.

Carcinogenicity

No product contained in this mixture is an IARC listed chemical.

Reproductive toxicity

No classification.

Specific target organ toxicity (STOT) - single exposure.

No classification.

Specific target organ toxicity (STOT) - repeated exposure.

No classification.

Aspiration hazard

No classification.

TOXICITY DATA

Ethanol: LD50 (Oral, Rat): 7060 mg/kg
(Inhalation, Rat): 3.8 mg/l/hr

SECTION 12: Ecological information

Toxicity

Not available for this mixture.

Persistence and degradability

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Not available for this mixture.

Bioaccumulate potential

Not expected to bio-accumulate.

Mobility in soil

Not available for this mixture.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Dispose of in accordance with local authority guidelines.

Packaging disposal

Dispose of in accordance with local authority guidelines.

Waste treatment

Product must not be disposed of in sewerage systems, drains or allowed to enter the waterways.

Sewage disposal

Product must not be disposed of in sewerage systems, drains or allowed to enter the waterways.

Other disposal recommendations

Do not contaminate drains and waterways.

SECTION 14: Transport information

14.1	UN Number	1170
	Hazchem emergency action code (EAC)	2YE
14.2	UN Proper Shipping Name	Ethanol Solution
14.3	Transport hazard class(es)	3
14.4	Packing group	II

Special precautions for user

Dangerous goods of Class 3 (Flammable Liquid) are incompatible in a placard load with any of the following:

- Class 1
- Class 2.1, if both the Class 3 and Class 2.1 dangerous goods are in bulk
- Class 2.3
- Class 4.2

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.

SECTION 16: Other information

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16.1 Further 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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16.2 Preparation information

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).