



Safety Data Sheet

Infosafe No™ 3CHIH Issue Date : October 2019 RE-ISSUED by ABS

Product Name : **MUCICARMINE STOCK Solution**

Classified as hazardous

1. Identification

GHS Product Identifier MUCICARMINE STOCK Solution

Product Code AMC

Company Name AUSTRALIAN BIOSTAIN Pty Ltd

Address 24 - 28 Stratton Drive,
Traralgon, Victoria, Australia, 3844
www.australianbiostain.com.au

Telephone/Fax Number Tel: (03) 5176 2855

Emergency phone number CHEMCALL (24 hours): 1800 127 406 (Australia) / +64-4-917-9888 (International)

Recommended use of the chemical and restrictions on use Laboratory reagent.

Other Names

Name

Product Code

Mucicarmine Southgate

Other Information

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

GHS classification of the substance/mixture 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

Signal Word (s) WARNING

Hazard Statement (s) H226 Flammable liquid and vapour.

Pictogram (s) Flame



Precautionary statement – Prevention

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.

Precautionary statement – Response

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Precautionary statement – Storage

P370+P378 In case of fire: Use dry sand, foam, dry chemical, CO2 or water spray for extinction.
P403+P235 Store in a well-ventilated place. Keep cool.



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Precautionary statement – Disposal P501 Dispose of contents/container to an approved waste disposal plant.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Ethanol	64-17-5	50 %		
	Aluminium hydroxide	21645-51-2	1 %		
	Carmine	1390-65-4	1 %		
	Aluminium chloride hydrated	7784-13-6	0.9 %		
	Water to make a total of 100%	7732-18-5	-		

4. First-aid measures

Inhalation	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.
Ingestion	Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.
Skin	Immediately remove contaminated clothing and wash affected area with water for at least 15 minutes. Ensure contaminated clothing is washed before re-use. Seek medical advice /attention depending on the severity.
Eye contact	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. In all cases of eye contamination it is a sensible precaution to seek medical advice.
First Aid Facilities	Maintain eyewash fountain and safety shower in work area.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of the patient.
Other Information	For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

Hazards from Combustion Products	Carbon monoxide, carbon dioxide, Hydrogen. May react with other substances during combustion to form organic complexes.
Specific Methods	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.
Specific hazards arising from the chemical	HIGHLY FLAMMABLE: These products have a low flash point - Will be easily ignited by heat, sparks or flames at ambient temperatures. Vapours will form explosive mixtures with air. Vapours will travel to source of ignition and flash back. Fire may produce irritating, poisonous and/or corrosive gases. Containers may explode when heated. Many liquids are lighter than water. Many vapours are heavier than air and will collect in low or confined areas (drains, basements, tanks). Vapours from run-off may create an explosion hazard.
Hazchem Code	•3YE
Precautions in connection with Fire	SCBA and structural firefighter's uniform may provide limited protection. Fully-encapsulating, gas-tight suits should be worn for maximum protection.

6. Accidental release measures

Personal Precautions	Extinguish naked flames. Remove ignition sources No smoking Avoid sparks. Avoid inhalation, contact with skin, eyes and clothing.
Personal Protection	Wear protective clothing specified for normal operations (see Section 8)
Clean-up Methods - Small Spillages	Absorb or contain liquid with sand, earth or spill control material. Shovel up using non sparking tools and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum or overdrum.

7. Handling and storage

Precautions for Safe Handling	Extinguish any naked flames. Remove ignition sources. Avoid sparks. Do not smoke. Avoid fumes. Wear Safety glasses, gloves and protective apron. Work in an area of good ventilation, an approved fume cupboard is preferred.
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Conditions for safe storage, including any incompatibilities	No eating or drinking in workplace, wash hands whenever leaving work area. Keep containers tightly closed. Read safety directions before use. Avoid sources of ignition. Avoid contact with metals. Store in a well-ventilated area. Storage for greater than minimal quantities must be stored in an approved Flammable Material cabinet. Empty containers must be filled with water and rinsed out before decommissioning.
Storage Regulations	Refer Australian Standard AS 1940-2017 'The storage and handling of flammable and combustible liquids'.

8. Exposure controls/personal protection

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Ethanol			1880	1000	
Other Exposure Information	No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts/mists not otherwise specified is 10 mg/m3. All atmospheric contamination should be kept to as low a level as is workable.					
Appropriate engineering controls	Safe Work Australia has established the above exposure limits for Ethanol. The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. 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.					
Respiratory Protection	Maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. 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 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.					
Eye 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.					
Hand Protection	Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments. Avoid skin contact when removing gloves from hands, do not touch the gloves outer surface. Dispose of gloves as hazardous waste.					
Personal Protective Equipment	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.					
Hygiene Measures	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

Appearance	Thin clear red liquid.
Odour	Alcoholic.
Solubility in Water	Completely.
Flash Point	29°C
Flammability	HIGHLY FLAMMABLE. This product should be stored and used in a well ventilated area away from naked flames, sparks and other sources of ignition. Electrically link and ground metal containers for



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transfers of the product to prevent accumulation of static electricity. Keep the container tightly closed.

Flammable Limits - Lower 3.5%

Flammable Limits - Upper 19%

Relative density 0.9 @ 20°C

10. Stability and reactivity

Chemical Stability Stable under normal use conditons.

Conditions to Avoid Heat, flames, ignition sources and incompatibles.

Incompatible Materials Strong oxidisers, strong acids.

Hazardous Decomposition Products Carbon monoxide, carbon dioxide, Hydrogen. May react with other substances during combustion to form organic complexes.

Hazardous Polymerization Will not occur.

11. Toxicological Information

Acute Toxicity - Oral LD50 for Ethanol :- 7060mg/kg oral rat.

Ingestion Significant oral exposure is considered to be unlikely and is unlikely to cause any irritation problems in the short or long term.

Inhalation Unlikely to cause any irritation or discomfort.

Skin No adverse effects expected. However will stain the skin, and the stain may be difficult to remove, but should not cause any adverse health effects.

Eye May be mildly irritating to the eyes.

Carcinogenicity Not classified as a human carcinogen.

Mutagenicity No evidence of mutagenic properties.

12. Ecological information

Ecotoxicity The product is believed to not be a dangerous to the environment with respect to mobility, persistency and degradability, bioaccumulative potential, aquatic toxicity and other measures or relating to ecotoxicity.

Environmental Protection Do not allow product to enter drains, waterways or sewers.

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 3 Flammable Liquids, 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, Class 5, Class 6, if the Class 3 dangerous goods are nitromethane and Class 7.

U.N. Number 1993

UN proper shipping name FLAMMABLE LIQUID, N.O.S. - (Contains: Ethanol 50%)

Transport hazard class(es) 3

Hazchem Code •3YE

Packing Group II

EPG Number 3A1

IERG Number 14

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



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Poisons Schedule restricted hazardous chemicals.
Not Scheduled

16. Other Information

Literature 'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia.
References 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.
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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]'.
Other Information **DISCLAIMER STATEMENT:**
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