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| Infosafe No™ 3CHH4 | Issue Date : December 2020 | RE-ISSUED by ABS |
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 Product Name **LILLIE MAYER HAEMATOXYLIN**

Not classified as hazardous

## 1. Identification

|  |   |
|--|---|
| <b>GHS Product Identifier</b>                                  | LILLIE MAYER HAEMATOXYLIN   |
| <b>Product Code</b>  | AHLM  |
| <b>Company Name</b>  | AUSTRALIAN BIOSTAIN Pty Ltd   |
| <b>Address</b>   | 24 - 28 Stratton Drive,<br>Traralgon, Victoria, Australia, 3844<br>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>E-mail Address</b>  | www.australianbiostain.com.au   |
| <b>Recommended use of the chemical and restrictions on use</b> | Class 1 IVD. General purpose staining reagent for laboratory use.   |
| <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> | Classified as non-Hazardous according to the Globally Harmonised System of classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.<br>Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG). |
| <b>Other Information</b>                           | Protocols in which this material/reagent is used may greatly influence Risks/Hazards.<br>Even though a Hazard or Risk is not identified, this does not exclude that an effect may or can occur.   |

## 3. Composition/information on ingredients

| Ingredients | Name                                     | CAS       | Proportion |
|-------------|--|-----------|------------|
|             | Glycerol                                 | 56-81-5   | <35 %      |
|             | Aluminium ammonium sulfate dodecahydrate | 7784-26-1 | <10 %      |
|             | Acetic acid                              | 64-19-7   | <5 %       |
|             | Ethanol                                  | 64-17-5   | <5 %       |
|             | Sodium periodate                         | 7790-28-5 | <1 %       |
|             | Haematoxylin                             | 517-28-2  | <1 %       |
|             | Water to make a total of                 | 7732-18-5 | 100%       |

## 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 obtain medical aid if cough or other symptoms appear. |
| <b>Ingestion</b>  | Rinse mouth thoroughly with water immediately, repeat until all traces of  |

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product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.

**Skin** Irritation unlikely. If irritation occurs wash with plenty of soap and water.

**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** Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Temperature and combustion of material in vicinity may cause formation of toxic fumes.

**Specific Methods** Use extinguishing media most appropriate for the surrounding fire. No limitations to the type of extinguishing media. Use water, CO<sub>2</sub>, or dry chemical depending upon other chemicals that may be present in vicinity.

## 6. Accidental release measures

**Personal Precautions** Ensure that all handling is carried out in an area of good ventilation, Certified fume cupboards are recommended. Wear protective eyewear, nitrile gloves and apron. In the event of spill confined to fume cupboard, contain spill with paper towel or similar absorbent material, collect into biohazard bag and seal for disposal with relevant authority. For spills outside of fume cupboard, contain spread of spill with paper towel, sawdust or vermiculite, collect into biohazard bags, seal and dispose through relevant authority; clean up area with cold (do not use hot water) soapy water.

**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** Avoid fumes. Wear Safety glasses, gloves and protective apron. Work in an area of good ventilation, an approved fume cupboard is preferred. No eating or drinking in workplace, wash hands whenever leaving work area.

**Conditions for safe storage, including any incompatibilities** Keep containers tightly closed. Read safety directions before use. Avoid contact with metals.

## 8. Exposure controls/personal protection

| Occupational exposure limit values | Name   | STEL              |     | TWA               |     | Footnote         |
|------------------------------------|--|-------------------|-----|-------------------|-----|------------------|
|                                    |  | mg/m <sup>3</sup> | ppm | mg/m <sup>3</sup> | ppm |                  |
|                                    | Glycerol   |                   |     | 10                |     | As Glycerin mist |
|                                    | Acetic acid  | 37                | 15  | 25                | 10  |                  |
| <b>Other Exposure Information</b>  | 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 |                   |     |                   |     |                  |

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| <b>Appropriate engineering controls</b> | chemicals. They are not a measure of relative toxicity. The STEL is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. 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.   |
| <b>Respiratory Protection</b>           | 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.<br>Usually is not required.<br>Where protection is required from nuisance levels of dust or mists select respiratory protection that complies with AS 1716 - Respiratory Protective Devices and select in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. |
| <b>Eye Protection</b>                   | Normally not required but if in doubt ensure eye protection complies with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.   |
| <b>Hand Protection</b>                  | 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.  |
| <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>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>Appearance</b> | Purple liquid. |
| <b>pH</b>         | >2             |

## 10. Stability and reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                       | Stable.  |
| <b>Chemical Stability</b>               | Stable under normal use conditons.   |
| <b>Conditions to Avoid</b>              | Temperature extremes and direct sunlight.  |
| <b>Incompatible Materials</b>           | Strong oxidisers, metals.  |
| <b>Hazardous Decomposition Products</b> | Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. |
| <b>Hazardous Polymerization</b>         | Will not occur.  |

## 11. Toxicological Information

|                                  |  |
|----------------------------------|--|
| <b>Ingestion</b>                 | Significant oral exposure is considered to be unlikely and is unlikely to cause any irritation problems in the short or long term. |
| <b>Inhalation</b>                | Unlikely to cause any irritation or discomfort.  |
| <b>Skin</b>                      | Mild skin irritation may occur.  |
| <b>Eye</b>                       | May be irritating to the eyes.   |
| <b>Respiratory sensitisation</b> | Not classified based on available information.   |

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| <b>Skin Sensitisation</b>     | Not classified based on available information.   |
| <b>Germ cell mutagenicity</b> | Not classified based on available information.   |
| <b>Carcinogenicity</b>        | Not classified based on available information.   |
| <b>Reproductive Toxicity</b>  | Not classified based on available information.   |
| <b>STOT-single exposure</b>   | Not classified based on available information.   |
| <b>STOT-repeated exposure</b> | Not classified based on available information.   |
| <b>Mutagenicity</b>           | Not classified based on available information.   |
| <b>Other Information</b>      | Even though no information may be available or a risk is considered minimal, this does not mean that an effect cannot occur. PLEASE NOTE:- PROTOCOLS IN WHICH THIS SOLUTION IS USED, OR THE PROXIMITY OF OTHER REAGENTS MAY SIGNIFICANTLY ALTER RISK STATUS. |

## 12. Ecological information

|                    |  |
|--------------------|--|
| <b>Ecotoxicity</b> | No ecological data available for this product. |
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## 13. Disposal considerations

|                                |   |
|--------------------------------|---|
| <b>Disposal Considerations</b> | Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations. |
|--------------------------------|---|

## 14. Transport information

|                              |  |
|------------------------------|--|
| <b>Transport Information</b> | Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. |
|------------------------------|--|

## 15. Regulatory information

|                               |   |
|-------------------------------|---|
| <b>Regulatory Information</b> | All of the significant ingredients in this formulation are compliant with Australian Industrial Chemicals Introduction Scheme (AICIS) regulations. Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals. |
| <b>Poisons Schedule</b>       | Not Scheduled   |

## 16. Other Information

|                              |   |
|------------------------------|---|
| <b>Literature References</b> | 'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia.<br>National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'<br>Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals'.<br>Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand.<br>Safe Work Australia, 'Hazardous Chemical Information System'.<br>Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'.<br>Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'. |
| <b>Other Information</b>     | DISCLAIMER STATEMENT:<br>All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. Australian Biostain Pty Ltd accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our technical representatives.                                |



# Safety Data Sheet

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