

Infosafe No™ 1CH3X Issue Date : October 2022 RE-ISSUED by CHEMSUPP

Product Name **LITMUS**

Not classified as hazardous

Section 1 - Identification

Product Identifier LITMUS

Company Name CHEMSUPPLY AUSTRALIA PTY LTD (ABN 19 008 264 211)

Address 38 - 50 Bedford Street GILLMAN
SA 5013 Australia

Telephone/Fax Number Tel: (08) 8440-2000

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

E-mail Address www.chemsupply.com.au

Recommended use of the chemical and restrictions on use Acid-base indicator: pH 4.5 (red) to pH 8.3 (blue), microscopy, soil testing, dyestuff and laboratory reagent.

Other Names	Name	Product Code
	LITMUS LR	LL026
	Lichen blue	
	Lacmus	

Additional Information Preparation of use: Add 4 g to 100 ml water.

Other Information

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.

Section 2 - Hazard(s) Identification

GHS Classification of the Substance/Mixture Classified as non-Hazardous according to the 7th Edition Globally Harmonised System of classification and labelling of Chemicals (GHS7) including Work, Health and Safety regulations, Australia.
Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

Section 3 - Composition and Information on Ingredients

Ingredients	Name	CAS	Proportion
	Litmus	1393-92-6	100 %

Other Information Derived by treating lichens (particularly 'Variolaria lecanora' and 'V. rocella') with ammonia and potash and then fermenting the mass.

Section 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. Get 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 Wash affected area thoroughly with copious amounts of running water. Remove contaminated clothing and wash before reuse. In severe cases or if irritation persists, seek medical attention.

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Eye	In case of contact with eyes, wash with running water holding eyelids open. Take care not to rinse contaminated water into a non-affected eye. If irritation persists seek medical advice.
First Aid Facilities	Maintain eyewash fountain and drench facilities in work area.
Advice to Doctor	Treat symptomatically and supportively.
Other Information	Like most organic dye-stuffs and similar materials they should always be handled with caution.

Section 5 - Firefighting Measures

Hazards from Combustion Products	Highly toxic and/or irritating fumes, smoke and gases including nitrogen oxides, carbon monoxide, carbon dioxide, and nitrogen.
Specific Methods	Small fire: Use dry chemical, CO ₂ , water spray or foam.
Specific Hazards Arising from the Chemical	May burn but do not ignite readily.

Section 6 - Accidental Release Measures

Personal Precautions	Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.
Personal Protection	Wear protective clothing specified for normal operations (see Section 8)
Clean-up Methods - Small Spillages	Sweep up (avoid generating dust) and remove to a suitable, clearly labelled container for disposal in accordance with local regulations.

Section 7 - Handling and Storage

Precautions for Safe Handling	Avoid ingestion and inhalation of dust. Avoid contact with eyes, skin, and clothing.
Conditions for safe storage, including any incompatibilities	Store in tightly closed, labelled, in a cool, dry, well-ventilated area away from incompatible substances. Protect from direct sunlight and moisture.
Storage Temperatures	Store at room temperature (15 to 25 °C recommended). Product loses its potency/performance above 45 °C.

Section 8 - Exposure Controls and Personal Protection

Other Exposure Information	A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Safe Work Australia for this product. There is a blanket limit of 10 mg/m ³ for dusts when limits have not otherwise been established.
Engineering Controls	In industrial situations 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. When making up indicator solution, do so in the fume cupboard.
Respiratory Protection	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 and 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.
Hand Protection	Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation: Silver Shield gloves Nitrile rubber gloves Plastic or rubber gloves.

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Personal Protective Equipment	Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.
Body Protection	Clean clothing or protective clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
Hygiene Measures	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Section 9 - Physical and Chemical Properties

Form	Solid
Appearance	Dark blue, homogeneous, amorphous powder.
Odour	Odour of indigo and violets.
Solubility in Water	Moderately soluble; insoluble residue.
Flammability	Combustible.

Section 10 - Stability and Reactivity

Chemical Stability	Stable under normal conditions, temperatures and pressures.
Incompatible Materials	Strong acids, Strong bases, Oxidizing agents.
Hazardous Decomposition Products	Irritating and toxic fumes and gases, nitrogen oxides, carbon monoxide, carbon dioxide, and nitrogen.
Hazardous Polymerization	Will not occur.

Section 11 - Toxicological Information

Toxicology Information	To the best of our knowledge, the toxicological properties of this material have not been fully investigated.
Ingestion	May be harmful if swallowed. May cause irritation of the digestive tract and stomach, and produce minor gastrointestinal symptoms, including nausea and vomiting. The toxicological properties of this substance have not been fully investigated.
Inhalation	Inhalation of dusts may cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.
Skin	May cause skin irritation, itching and dryness. May stain. May be harmful if absorbed through the skin.
Eye	May cause eye irritation, resulting in inflammation, stinging and blurred vision.
Carcinogenicity	Not listed in the IARC Monographs.

Section 12 - Ecological Information

Ecological Information	No ecological problems are to be expected when the product is handled and used with due care and attention.
Persistence and Degradability	Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Section 13 - Disposal Considerations

Disposal Considerations	Dispose of according to relevant local, state and federal government regulations.
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Section 14 - Transport Information

Transport Information	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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Section 15 - Regulatory Information

Poisons Schedule Not Scheduled

Section 16 - Any Other Relevant Information

Literature References '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'.
Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand.
Safe Work Australia, 'Hazardous Chemical Information System'.
Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'.
Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'.

Contact Person/Point Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**
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