



Infosafe No™	1CH53	Issue Date : July 2020	RE-ISSUED by CHEMSUPP
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Product Name : **PHLOROGLUCINOL Dihydrate**

Classified as hazardous

**1. Identification**

**GHS Product Identifier** PHLOROGLUCINOL Dihydrate

**Company Name** CHEM-SUPPLY 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)

**Recommended use of the chemical and restrictions on use** Microscopy, decalcifying agent for bones, analytical chemistry, reagent for pentoses, pentosans, aldehydes, lignin, HCl, methanol, chloral hydrate, turpentine oil, with vanillin for determining the presence of free hydrogen chloride, lignified cell tissue and free acid in gastric juices, preparation of pharmaceuticals, resins, preservative for cut flowers, textile dyeing, diazo-type printing and laboratory reagent.

Other Names	Name	Product Code
	PHLOROGLUCINOL Dihydrate LR	PL016
	1,3,5-Trihydroxybenzene, 1,3,5-Benzenetriol-dihydrate, Phloroglucine	

**Other Information**

Chem-Supply 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 Chem-Supply 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 Chem-Supply 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** Eye Damage/Irritation: Category 2  
Skin Corrosion/Irritation: Category 2  
Specific target organ toxicity - Single Exposure Category 3 (respiratory tract irritation)

**Signal Word (s)** WARNING

**Hazard Statement (s)** H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

**Pictogram (s)** Exclamation mark



**Precautionary statement – Prevention** P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement – Response** P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
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.

**Precautionary statement – Storage** P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.



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

**3. Composition/information on ingredients**

<b>Chemical Characterization</b>	Solid				
<b>Ingredients</b>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard Symbol</u>	<u>Risk Phrase</u>
	Phloroglucinol dihydrate	6099-90-7	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. Get medical aid if cough or other symptoms appear.
<b>Ingestion</b>	Rinse out mouth and drink afterwards plenty of water if the victim is conscious and alert. Do NOT induce vomiting. NEVER give anything by mouth to an unconscious person. Seek medical attention if symptoms persist.
<b>Skin</b>	Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and wash before re-use. Seek medical advice if effects persist.
<b>Eye contact</b>	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.
<b>First Aid Facilities</b>	Maintain eyewash fountain and safety shower in work area.
<b>Advice to Doctor</b>	Treat symptomatically based on judgement of doctor and individual reactions of the patient.
<b>Other Information</b>	For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor at once.

**5. Fire-fighting measures**

<b>Hazards from Combustion Products</b>	May liberate toxic fumes in fire include oxides of carbon.
<b>Specific Methods</b>	Small fire: Use dry chemical, CO2, water spray or foam. Large fire: Use water spray, fog or foam. If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out.
<b>Specific hazards arising from the chemical</b>	May burn but do not ignite readily. Runoff may pollute waterways. Fire may produce irritating, poisonous and/or corrosive fumes. Containers may explode when heated.
<b>Precautions in connection with Fire</b>	Wear SCBA and structural firefighter's uniform.

**6. Accidental release measures**

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

**7. Handling and storage**

<b>Precautions for Safe Handling</b>	Avoid substance contact and generation and inhalation of dust. Avoid prolonged or repeated contact with skin, eyes and clothing. Use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Wash hands and face thoroughly after working with material.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in cool place and out of direct sunlight. Store away from oxidizing agents. Keep containers closed at all times.

**8. Exposure controls/personal protection**

<b>Other Exposure Information</b>	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
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	contamination should be kept to as low a level as is workable. 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.
<b>Appropriate engineering controls</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.
<b>Respiratory Protection</b>	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.
<b>Eye Protection</b>	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.
<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. Avoid skin contact when removing gloves from hands, do not touch the gloves outer surface. Dispose of gloves as hazardous waste.
<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>Body Protection</b>	Clean impervious clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
<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>Form</b>	Solid
<b>Appearance</b>	White to yellowish crystals.
<b>Odour</b>	Odourless.
<b>Melting Point</b>	217 - 220 °C
<b>Solubility in Water</b>	10 g/L @ 20 °C
<b>Solubility in Organic Solvents</b>	Soluble in alcohol, ether and pyridine.
<b>Flammability</b>	Combustible.
<b>Molecular Weight</b>	162.14
<b>Other Information</b>	Sweet taste. Discolours in light.

**10. Stability and reactivity**

<b>Chemical Stability</b>	Stable under normal use conditons. Hygroscopic
<b>Conditions to Avoid</b>	Temperatures above 155 °C, light, dust generations, exposure to moist air or water.
<b>Incompatible Materials</b>	Strong oxidizing agents, bases, acid chlorides and acid anhydrides.
<b>Hazardous Decomposition Products</b>	May liberate toxic fumes in fire include oxides of carbon.
<b>Hazardous Polymerization</b>	Will not occur.

**11. Toxicological Information**

<b>Ingestion</b>	May cause gastrointestinal irritation with nausea, vomiting and diarrhoea.
<b>Inhalation</b>	Irritating to respiratory system.



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<b>Skin</b>	Causes irritating to skin. May cause redness, itching and pain. May be harmful if absorbed through the skin.
<b>Eye</b>	Causes irritating to eyes. May cause redness, pain and chemical conjunctivitis.
<b>Respiratory sensitisation</b>	Not classified based on available information.
<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>	Specific target organ toxicity - Single Exposure Category 3 (respiratory tract irritation) H335 May cause respiratory irritation.
<b>STOT-repeated exposure</b>	Not classified based on available information.
<b>Mutagenicity</b>	Not classified based on available information.
<b>Other Information</b>	To the best of our knowledge the chemical, physical and toxicity of this substance has not been fully investigated.

## 12. Ecological information

<b>Ecotoxicity</b>	No ecological data available for this product. Quantitative data on the ecological effect of this product are not available.
<b>Persistence and degradability</b>	Soluble in water. Persistence is unlikely.
<b>Mobility</b>	Mobile in the environment due to its solubility.
<b>Bioaccumulative Potential</b>	Unlikely.
<b>Other Precautions</b>	Avoid contaminating waterways.

## 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.
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## 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.
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## 15. Regulatory information

<b>Regulatory Information</b>	Listed in the Australian Inventory of Chemical Substances (AICS). 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. 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. Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010. 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]'.
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# Safety Data Sheet

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**Contact Person/Point** Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**  
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**Empirical Formula & Structural Formula** C<sub>6</sub>H<sub>6</sub>O<sub>3</sub>.2H<sub>2</sub>O  
...End Of MSDS...

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