

Infosafe No™ 1CHBN Issue Date : August 2022 RE-ISSUED by CHEMSUPP

Product Name **LYCOPODIUM Powder**

Classified as hazardous

Section 1 - Identification

Product Identifier LYCOPODIUM Powder

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 In the pharmaceutical industry as a coating, in flashlight powders, pyrotechnics, in general science for visualizing standing sound waves, fingerprint powders, and as a covering for explosives. Laboratory reagent.

Other Names	Name	Product Code
	LYCOPODIUM Powder TG	LT028

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 Flammable Solids: Category 1

Signal Word DANGER

Hazard Statement (s) H228 Flammable solid.

Pictogram (s) Flame



Precautionary Statement – Prevention P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P240 Ground/bond container and receiving equipment.

Precautionary Statement – Response P370+P378 In case of fire: Use dry chemical, CO2, water spray or foam for extinction.

Precautionary Statement – Disposal P501 Dispose of contents/container according to local, state and federal regulations.

Section 3 - Composition and Information on Ingredients

Ingredients	Name	CAS	Proportion
	Lycopodium	8023-70-9	100 %

Infosafe No™ 1CHBN	Issue Date : August 2022	RE-ISSUED by CHEMSUPP
--------------------	--------------------------	-----------------------

Product Name **LYCOPODIUM Powder**

Classified as hazardous

Other Information Lycopodium is a genus of clubmosses, also known as ground pines, in the family Lycopodiaceae, a family of fern-allies. There are approximately 200 species. Lycopodium clavatum (Stag's-horn Clubmoss or Ground Pine) is the most widespread species in the genus Lycopodium of the clubmoss family Lycopodiaceae.

Section 4 - First Aid Measures

Inhalation Remove from exposure, rest and keep warm. If breathing has stopped, apply artificial respiration. If breathing is difficult, give oxygen. If irritation develops and persists, seek immediate medical attention.

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. If swelling, redness, blistering or irritation occurs seek medical advice.

Eye If contact with the eye(s) occurs, wash with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Seek medical attention.

First Aid Facilities Eye wash and normal washroom facilities.

Advice to Doctor Treat symptomatically based on judgement of doctor and individual reactions of the patient.

Other Information For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

Section 5 - Firefighting Measures

Hazards from Combustion Products Carbon monoxide, carbon dioxide.

Specific Methods 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 fire area. Cool containers with flooding quantities of water until well after fire is out.

Specific Hazards Arising from the Chemical May be ignited by friction, heat, sparks or flame. Vapours, dust, borings or turnings may form combustible mixtures with air. May burn fiercely. May re-ignite after fire is extinguished. Fire may produce irritating, poisonous and/or corrosive gases. Containers may explode when heated. Runoff may pollute waterways.

Hazchem Code 1Z

Precautions in connection with Fire Wear SCBA and chemical splash suit. Structural firefighter's uniform may provide limited protection.

Section 6 - Accidental Release Measures

Spills & Disposal Eliminate all ignition sources (no smoking, flares, sparks or flames) within at least 15m. Do not touch or walk through spilled material. Prevent entry into waterways, drains or confined areas. Obtain expert advice on use of water as spilled material may be water-reactive. Prevent dust cloud. Use clean non-sparking tools to collect absorbed material and place it into loosely-covered metal or plastic containers for later disposal. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.

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 using clean non-sparking tools transfer to a clean, 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. Avoid prolonged or repeated exposure. Mechanical exhaust required.

Infosafe No™ 1CHBN	Issue Date : August 2022	RE-ISSUED by CHEMSUPP
--------------------	--------------------------	-----------------------

Product Name **LYCOPODIUM Powder**

Classified as hazardous

Conditions for safe storage, including any incompatibilities	Wash thoroughly after handling. Ensure a high level of personal hygiene is maintained when using this product. Keep away from heat and all sources of ignition. Ground all equipment containing material. Use nonsparking tools. Ensure that dust cannot build up in the air; remove flames and other sources of ignition from the working environment.
Corrosiveness	Flammable materials should be stored in a separate safety storage cabinet or room. Store in tightly closed containers, in a cool, dry, well-ventilated place, out of direct sunlight. Store away from materials that support combustion, such as strong oxidising agents. Keep away from heat and all sources of ignition. Ground all equipment containing material.
Storage Temperatures	Not considered to be corrosive for metals and glass.
	Store at room temperature (15 to 25 °C recommended).

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.
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: Nitrile rubber gloves
Personal Protective Equipment	Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.
Body Protection	Flame retardant antistatic protective clothing. Clean clothing or protective clothing should be worn, preferably with an apron. 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	Pale yellow, very fine, mobile powder.
Odour	Characteristic.
Solubility in Water	Immiscible or insoluble.
Flammability	Flammable solid. Keep away from heat, sparks or naked flames. Use flameproof equipment and fittings to prevent flammability risk. Electrically link and ground metal containers for transfer of the product to prevent accumulation of static electricity. Ensure adequate ventilation to prevent an explosive dust-air mixture.
Explosion Properties	Extremely explosive in presence of open flames and sparks. Material in powder form, is capable of creating a dust explosion, if present in the air in high enough densities.

Infosafe No™ 1CHBN Issue Date : August 2022 RE-ISSUED by CHEMSUPP

Product Name **LYCOPODIUM Powder**

Classified as hazardous

Other Information Taste: Characteristic.

Section 10 - Stability and Reactivity

Chemical Stability Stable under ordinary conditions of use and storage.

Possibility of Hazardous Reactions Ignites readily in air in contact with all sources of ignition. Hazardous Exothermic Reactions: Will not occur.

Conditions to Avoid Excess heat, sources of ignition, friction, dust generation and incompatible materials.

Incompatible Materials Strong oxidizing agents.

Hazardous Decomposition Products Carbon monoxide and carbon dioxide.

Hazardous Polymerization Will not occur.

Section 11 - Toxicological Information

Ingestion May be harmful if swallowed. May cause irritation to the gastrointestinal tract.

Inhalation May be harmful if inhaled. Irritating to the respiratory tract.

Skin May cause skin irritation. Can cause granulomatous reactions in wounds and cuts. May be harmful if absorbed through the skin.

Eye Irritating to eyes. Symptoms may include inflammation, with redness, watering, and itching.

Carcinogenicity Not listed in the IARC Monographs.

Chronic Effects Repeated or prolonged exposure to this material may result in skin irritation, may aggravate existing respiratory disorder and can produce damage to lungs.

Section 12 - Ecological Information

Ecotoxicity Quantitative data on the ecological effect of this product are not available.

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.

Section 14 - Transport Information

Transport Information Dangerous Goods of Class 4.1 Flammable Solids, are incompatible in a placard load with any of the following: - Class 1, Class 2.1, Class 4.2, Class 5 and Class 7

ADG UN Number 1325

ADG Proper Shipping Name FLAMMABLE SOLID, ORGANIC, N.O.S. -

Infosafe No™ 1CHBN Issue Date : August 2022 RE-ISSUED by CHEMSUPP

Product Name **LYCOPODIUM Powder**

Classified as hazardous

(Lycopodium)
ADG Transport 4.1
Hazard Class
ADG Packing Group II
Hazchem Code 1Z
EPG Number 4A1
IERG Number 20

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:**
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. ChemSupply Australia 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.
...End Of MSDS...

© Copyright Chemical Safety International Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe MSDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed is the intellectual property of Chemical Safety International Pty Ltd. The compilation of MSDS's displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copying of any MSDS displayed is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of Chemical Safety International Pty Ltd.