



Safety Data Sheet

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Infosafe No™ 3CHKX Issue Date : March 2020 RE-ISSUED by ABS

Product Name : **Phosphomolybdic Phosphotungstic Acid Solution**

Not classified as hazardous

1. Identification

GHS Product Identifier	Phosphomolybdic Phosphotungstic Acid Solution
Product Code	APMTA
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 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	Classified as non-Hazardous according to the Globally Harmonised System of classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).
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3. Composition/information on ingredients

Chemical Characterization	Liquid																				
Ingredients	<table><thead><tr><th><u>Name</u></th><th><u>CAS</u></th><th><u>Proportion</u></th><th><u>Hazard Symbol</u></th><th><u>Risk Phrase</u></th></tr></thead><tbody><tr><td>Molybdophosphoric acid</td><td>51429-74-4</td><td>2.5 %</td><td></td><td></td></tr><tr><td>dodeca-Tungstophosphoric acid</td><td>12501-23-4</td><td>2.5 %</td><td></td><td></td></tr><tr><td>Water to make a total of 100%</td><td>7732-18-5</td><td>-</td><td></td><td></td></tr></tbody></table>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard Symbol</u>	<u>Risk Phrase</u>	Molybdophosphoric acid	51429-74-4	2.5 %			dodeca-Tungstophosphoric acid	12501-23-4	2.5 %			Water to make a total of 100%	7732-18-5	-		
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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	Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and wash before re-use. Seek medical advice if effects persist.
Eye contact	Irrigate with copious quantity of water for 15 minutes. Seek medical assistance if symptoms persist.
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 a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

Specific Methods	This product contains a substantial proportion of water therefore there are no restrictions on the type of extinguishing media which may be used. Use extinguishing media most appropriate for the surrounding fire.
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Specific hazards arising from the chemical Material does not burn or will propose an explosion risk

6. Accidental release measures

Personal Protection Wear protective clothing specified for normal operations (see Section 8)

Clean-up Methods - Small Spillages Absorb with dry earth, sand or other non-combustible material. Neutralise with lime or soda ash. Use clean nonsparking tools to collect and seal in properly labelled drums for disposal in an area approved by local authority bylaws. Wash area down with excess water to remove residual material.

7. Handling and storage

Precautions for Safe Handling Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented. Take off contaminated clothing and wash it before reuse. Wash promptly with soap and water if skin becomes contaminated.

Conditions for safe storage, including any incompatibilities Store in a cool, well ventilated area, out of direct sunlight. Keep containers closed when not in use. Store in original container.

8. Exposure controls/personal protection

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Molybdophosphoric acid			5		Molybdenum, soluble compounds (as Mo)
	dodeca-Tungstophosphoric acid	3		1		Tungstan, soluble compounds (as W)
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.					
Respiratory Protection	Respirator not normally required.					
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. Normally not required.					
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.					
Body Protection	Clean impervious clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.					

9. Physical and chemical properties

Form Liquid
Appearance thin colourless liquid.
Boiling Point Approx 100°C at 100kPa.



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Solubility in Water Completely soluble.
Specific Gravity 1.05 approx.
Flammability Non combustible material.

10. Stability and reactivity

Chemical Stability Stable under normal use conditons.
Conditions to Avoid Sources of heat. Poor ventilation.
Incompatible Materials Strong Acids. Oxidising agents
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

Toxicology Information No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. If mishandled or overexposed to this product the following symptoms or effects may occur.
Ingestion May cause gastric irritation.
Inhalation Inhalation of vapour may cause irritation to the mucous membranes and respiratory tract.
Skin May cause irritation.
Eye May cause irritation.
Respiratory sensitisation Not classified based on available information.
Skin Sensitisation Not classified based on available information.
Germ cell mutagenicity Not classified based on available information.
Carcinogenicity No significant ingredient is classified as carcinogenic by Safe Work Australia.
No significant ingredient is classified as carcinogenic by International Agency for Reseach on Cancer.
Reproductive Toxicity Not classified based on available information.
STOT-single exposure Not classified based on available information.
STOT-repeated exposure Not classified based on available information.
Aspiration Hazard Not classified based on available information.
Chronic Effects Chronic exposure may cause insomnia, conjunctivitis, inflammation of the nasal mucous, bronchitis, tremor, rapid heart beat, diarrhea and weight loss.
Mutagenicity Not classified based on available information.

12. Ecological information

Ecological Information No ecology data available for this product. No ecological problems are to be expected when the product is handled and used with due care and attention.

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 Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG); by the IATA Air Transport Dangerous Goods Regulations; or by the IMDG (International Maritime Dangerous Goods) Code.

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.
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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