



chem-supply

Safety Data Sheet

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Infosafe No™ 3CH03 Issue Date : August 2012 RE-ISSUED by CHEMSUPP

Product Name **6-BENZYLAMINOPURINE**

Classified as hazardous

1. Identification

GHS Product Identifier 6-BENZYLAMINOPURINE

Company Name CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)

Address 50 Bedford Street GILLMAN
SA 5013 Australia

Telephone/Fax Number Tel: (08) 8440-2000
Fax: (08) 8440-2001

Recommended use of the chemical and restrictions on use Plant cell division factor (a plant growth factor), first generation synthetic cytokinin which elicits plant growth and development responses setting blossoms and stimulating fruit richness by stimulating cell division; inhibitor of respiratory kinase in plants; increases post-harvest life of green vegetables; vitamin and therapeutic nutrient.

Other Names	<u>Name</u>	<u>Product Code</u>
	n-Benzyl-adenine	
	6-BENZYLAMINOPURINE TG	BT189
	BAP	
	6-BAP	
	N6-Benzyladenine	

Other Information EMERGENCY CONTACT NUMBER: +61 08 8440 2000
Business hours: 8:30am to 5:00pm, Monday to Friday.

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 2A
Acute Toxicity - Oral: Category 4
Skin Corrosion/Irritation: Category 2
Specific target organ systemic toxicity, Single Exposure Category 3 (respiratory tract irritation)

Signal Word (s) WARNING

Hazard Statement (s) H302 Harmful if swallowed.
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.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.



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Precautionary statement – Storage
Precautionary statement – Disposal

Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container according to local, state and federal regulations.

3. Composition/information on ingredients

Chemical	Solid				
Characterization					
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard Symbol</u>	<u>Risk Phrase</u>
	6-Benzylaminopurine	1214-39-7	99-100 %		

4. First-aid measures

Inhalation	Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. Apply artificial respiration if not breathing. Seek medical attention. Do not use direct mouth-to-mouth. Remove contaminated clothing and loosen remaining clothing.
Ingestion	Rinse mouth thoroughly with water immediately. Give plenty of water to drink. Never give anything by mouth to an unconscious person. If swallowed, do NOT induce vomiting. Seek medical attention.
Skin	Wash affected area thoroughly with copious amounts of running water. Remove contaminated clothing and wash before reuse. Seek medical attention in severe cases.
Eye contact	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Remove contact lenses. Seek medical attention.
First Aid Facilities	Maintain eyewash fountain and drench facilities in work area.
Advice to Doctor	Treat symptomatically and supportively.
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

Hazards from Combustion	Irritating and toxic fumes and gases, including nitrogen oxides (NO, NO ₂ , NO _x), ammonia, carbon monoxide and carbon dioxide.
Products	
Specific Methods	Small fire: Use dry chemical, CO ₂ , 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. 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.
Specific hazards arising from the chemical	
Precautions in connection with Fire	Wear SCBA and structural firefighter's uniform.

6. Accidental release measures

Spills & Disposal	Stop leak if safe to do so. Prevent entry into waterways, drains, confined areas. Prevent dust cloud. Use clean non-sparking tools to collect material and place it into loosely-covered plastic containers for later disposal. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
Personal Protection	Wear protective clothing specified for normal operations (see Section 8)

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. Minimize dust generation and accumulation. Use only with adequate ventilation. If ingested, seek medical advice immediately and show the container or the label. Wear suitable protective clothing. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.
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Product Name **6-BENZYLAMINOPURINE**

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Conditions for safe storage, including any incompatibilities	Store in tightly closed, original containers, in a cool, well-ventilated area. Keep container closed when not in use. Protect from light and air. Store away from oxidizing agents.
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8. Exposure controls/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 NOHSC Australia for this product. There is a blanket limit of 10 mg/m ³ for dusts when limits have not otherwise been established.
Appropriate 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 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.
Body Protection	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.

9. Physical and chemical properties

Form	Solid
Appearance	White to off-white or pale yellow crystals, crystalline powder or powder.
Melting Point	228 - 233 °C
Boiling Point	Decomposes.
Solubility in Water	Insoluble.
Solubility in Organic Solvents	Soluble in concentrated ammonium hydroxide, 0.1 N Sodium hydroxide (10 mg/ml - slightly hazy and yellowish solution), methanol, or dioxane.
Flammability	Non combustible material.
Molecular Weight	225.25

10. Stability and reactivity

Chemical Stability	Stable under normal and recommended temperatures, pressures and conditions.
Conditions to Avoid	Dust generation, excess heat, exposure to air or moisture over prolonged periods and incompatible materials.
Incompatible Materials	Oxidising agents.
Hazardous Decomposition Products	Irritating and toxic fumes and gases, including nitrogen oxides (NO, NO ₂ , NO _x), ammonia, carbon monoxide and carbon dioxide.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Inhalation	May cause respiratory tract irritation.
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Ingestion	May be harmful if swallowed. May cause irritation of the digestive tract. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Skin	Causes mild skin irritation. May be harmful if absorbed through the skin.
Eye	Causes eye irritation and lachrimation.
Chronic Effects	Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness. May affect eyes, blood and central nervous system. May result in weight loss or decreased weight gain. May damage kidney, ureter, and bladder.
Mutagenicity	Mutagenic effects have been observed with human leukocyte.
Carcinogenicity	Not listed in the IARC Monographs.
Acute Toxicity - Oral	LD50 (male rat): 2125 mg/kg, LD50 (mouse, male and female): 1300 mg/kg, Remarks: Behavioural: Somnolence (general depressed activity). Sense Organs and Special Senses (Nose, Eye, Ear, and Taste): Eye: Lacrimation.
Acute Toxicity - Dermal	LD50 (mouse): > 5000 mg/kg;

12. Ecological information

Ecotoxicity	May cause long-term adverse effects in the aquatic environment.
Environmental Protection	Do not allow to enter waters, waste water, or soil!
Acute Toxicity - Fish	LC50 (Oncorhynchus mykiss): 21.4 mg/l - 96 h
Acute Toxicity - Daphnia	EC50 (Daphnia magna): 20.5 mg/l - 48 h
Acute Toxicity - Algae	LC50 (Chlamydomonas globosa): 56 mg/l - 48 h

13. Disposal considerations

Disposal Considerations	Dispose of according to relevant local, state and federal government regulations.
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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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15. Regulatory information

Poisons Schedule	S6
Hazard Category	Harmful, Irritant

16. Other Information

Literature References	<p>Australian Government Department of Health and Ageing, 'Standard for the Uniform Scheduling of Medicines and Poisons No. 2', Commonwealth of Australia, August 2011.</p> <p>Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997.</p> <p>National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007.</p> <p>South Australia Government, 'Approved Code of Practice for the Labelling of Workplace Substances', 1995.</p> <p>Standards Australia 'AS 1940-2004 The Storage and Handling of Flammable and Combustible Liquids.</p> <p>Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010.</p> <p>Worksafe Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004)]'.</p> <p>Worksafe Australia, 'Hazardous Substances Information System, 2005'.</p> <p>Worksafe Australia, 'National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]'.</p>
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Contact Person/Point

Worksafe Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]'.

Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**
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**Empirical Formula
& Structural
Formula**

C12-H11-N5

User Codes**User Field Title****User Code**

CAS No.

1214-39-7

Risk Phrases

22-36/37/38

Other Information

R22 Harmful if swallowed.

R36/37/38 Irritating to eyes, respiratory system and skin.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37 Wear suitable protective clothing and gloves.

...End Of MSDS...

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