

Safety Data Sheet

according to WHS Regulations

Printing date 02.03.2021

Revision: 01.03.2021

1 Identification

Product Name: BaPSol 100**Other Means of Identification:** Mixture**Recommended Use of the Chemical and Restriction on Use:**

Plant growth regulator. Secondary fruitlet thinner for pip fruit.

Details of Manufacturer or Importer:Grochem Australia Pty Ltd
550 Bourke St,
Melbourne, VIC, 3000

SUMITOMO CHEMICAL AUSTRALIA PTY LTD

Level 5, 51 Rawson St,
Epping, NSW, 2121
www.sumitomo-chem.com.au**Phone Number:**1800 777 068
(02) 8752 9000**Emergency telephone number:** 1800 127 406**Email:** reception@sumitomo-chem.com.au

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



Corrosion

Skin Corrosion/Irritation 1A H314 Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation 1 H318 Causes serious eye damage.

Aquatic Acute 2 H401 Toxic to aquatic life.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Signal Word Danger**Hazard Statements**

H314 Causes severe skin burns and eye damage.

H401 Toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

P260 Do not breathe dusts or mists.

P264 Wash thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

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P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:		
CAS: 1214-39-7	6-(benzylamino)purine	5-10%
	⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411; ⚠ Acute Toxicity (Oral) 4, H302	
CAS: 1310-58-3	Potassium hydroxide	5-10%
	⚠ Skin Corrosion/Irritation 1A, H314; Serious Eye Damage/Irritation 1, H318; ⚠ Acute Toxicity (Oral) 4, H302	

4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek immediate medical attention.

Eye Contact:

In case of eye contact, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek immediate medical attention.

Ingestion:

If swallowed, do not induce vomiting do not attempt gastric lavage and do not attempt to neutralise the corrosive substance. Immediately rinse mouth with water. Give a glass of water or milk. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May result in respiratory irritation, coughing and bronchitis. High levels of exposure may result in ulceration of the respiratory tract, lung tissue damage, chemical pneumonitis and pulmonary oedema. Effects may be delayed.

Skin Contact: Causes severe skin burns. May result in irritation, redness, pain, rash and dermatitis. Effects may be delayed.

Eye Contact: Causes serious eye damage. May result in irritation, lachrymation, pain, redness and corneal burns with possible permanent eye damage.

Ingestion: May be harmful if swallowed. May cause damage and irritation of the mouth and throat.

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Medical Attention and Special Treatment:

If the trachea has been damaged tracheostomy may be required. For oesophageal burns begin broad-spectrum antibiotics and corticosteroid therapy. Intravenous fluids will be required if oesophageal or gastric damage prevents ingestion of liquids. Long-range therapy will be directed toward preventing or treating oesophageal scars and strictures.

5 Fire Fighting Measures

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include toxic gases.

Product is not flammable.

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.

Prevent run-off from fire fighting entering drains or water courses.

HAZCHEM Code: 2R

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Environmental Precautions: In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

7 Handling and Storage**Precautions for Safe Handling:**

Ensure all safety information has been read and understood before use.

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet.

Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Keep away from oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid) and metals. protect from physical damage.

If stored in large quantities, ensure storage area is bunded and is equipped with appropriate ventilation.

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8 Exposure Controls and Personal Protection

Exposure Standards:**CAS: 1310-58-3 Potassium hydroxide**WES | Peak limitation: 2 mg/m³**Engineering Controls:**

Maintain air concentration below occupational exposure standards, providing adequate ventilation. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

Respiratory Protection:

Use an approved Type B respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC or rubber gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing including coveralls at a minimum and rubber boots and PVC apron when using large quantities or heavy contamination is likely. Protective clothing should be chosen depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing. See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Splash proof goggles for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Pale brown
Odour:	Mild
Odour Threshold:	No information available
pH-Value:	13
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	No information available
Flammability:	Product is not flammable
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Density:	No information available
Relative Density:	1.06
Vapour Density:	No information available
Evaporation Rate:	No information available

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Solubility in Water: Soluble
Partition Coefficient (n-octanol/water): No information available
Viscosity: No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.

Incompatible Materials: Oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid) and metals.

Hazardous Decomposition Products: Toxic gases.

11 Toxicological Information

Toxicity:

LD50/LC50 Values Relevant for Classification:		
CAS: 1214-39-7 6-(benzylamino)purine		
Oral	LD50	1,300 mg/kg (mouse)
CAS: 1310-58-3 Potassium hydroxide		
Oral	LD50	273 mg/kg (rat)

Acute Health Effects

Inhalation:

May result in respiratory irritation, coughing and bronchitis. High levels of exposure may result in ulceration of the respiratory tract, lung tissue damage, chemical pneumonitis and pulmonary oedema. Effects may be delayed.

Skin:

Causes severe skin burns. May result in irritation, redness, pain, rash and dermatitis. Effects may be delayed.

Eye:

Causes serious eye damage. May result in irritation, lachrymation, pain, redness and corneal burns with possible permanent eye damage.

Ingestion: May be harmful if swallowed. May cause damage and irritation of the mouth and throat.

Skin Corrosion / Irritation: Causes severe skin burns.

Serious Eye Damage / Irritation: Causes serious eye damage.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: This product does NOT contain any IARC listed chemicals.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

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Chronic Health Effects: Not expected to be a hazard.**Existing Conditions Aggravated by Exposure:** No data available.

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:**

Toxic to aquatic life with long lasting effects.

CAS: 1310-58-3 Potassium hydroxide

EC50/15 minutes	22 mg/l (bacterial)
LC50/96 h	45.4 mg/l (rainbow trout)
LC50/48 h	40 mg/l (daphnia)

Persistence and Degradability: No data available on finished product.**Bioaccumulative Potential:** No data available on finished product.**Mobility in Soil:** May dissolve in some soil matter.**Other adverse effects:** No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number ADG, IMDG, IATA	UN1814
Proper Shipping Name ADG, IMDG, IATA	POTASSIUM HYDROXIDE SOLUTION mixture
Dangerous Goods Class ADG Class:	8 Corrosive substances.
Subsidiary Risk:	
Packing Group: ADG, IMDG, IATA	II
Marine pollutant:	
EMS Number:	F-A,S-B
Hazchem Code:	2R
Special Provisions:	
Limited Quantities:	1L

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Packagings & IBCs - Packing Instruction: P001, IBC03, LP01**Portable Tanks & Bulk Containers - Instructions:** T7**Portable Tanks & Bulk Containers - Special Provisions:** TP2

15 Regulatory Information

Australian Inventory of Industrial Chemicals:

All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 5

Australia: Priority Existing Chemicals

None of the ingredients is listed.

16 Other Information

Date of Preparation or Last Revision: 01.03.2021**Prepared by:** MSDS.COM.AU Pty Ltd

www.msds.com.au

Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Acute Toxicity (Oral) 4: Acute toxicity - oral – Category 4

Skin Corrosion/Irritation 1A: Skin corrosion/irritation – Category 1A

Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term (Chronic). Category 3

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - July 2020"

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