

BAPSoL 100™

Section 1: Identification of the Substance or Mixture and of the Supplier

Product name:	BAPSoL 100
Recommended use:	Secondary fruitlet thinner for pipfruit
Company details:	GroChem (AgriNova New Zealand Limited) 15 Sunlight Grove Porirua New Zealand
Telephone:	+64 4 237 0905
Email:	grochem@grochem.com
Emergency telephone:	New Zealand 0800 CHEMCALL – 24 hours (0800 243 6225) Australia 1800 127 406 Other locations +64 4 917 9888 or The National Poisons Centre 0800 POISON (0800 764 766)
Date of preparation:	07 July 2017

Section 2: Hazards Identification

Hazard classification (Transport): Dangerous Goods Class 8, Packing Group III

Hazardous substances (HS Regulations 2001):

- 6.1E (WARNING: May be harmful if swallowed)
- 8.1A (WARNING: May be corrosive to metals)
- 8.2C (DANGER: Causes severe skin burns and eye damage)
- 8.3A (DANGER: Causes serious eye damage)
- 9.3C (Harmful to terrestrial vertebrates)



Section 3: Composition/Information on Ingredients

Classification & type: Mixture

Material	CAS No.	Proportion (%w)
Potassium Hydroxide	1310-58-3	5
6-Benzyl Adenine	1214-39-7	9.5
Non-hazardous components		To 100%

Section 4: First Aid Measures

Symptoms of exposure:	No adverse health effects expected if the product is handled in accordance with this SDS and the product label. Symptoms that may arise if the product is mishandled are:
If Swallowed	Will cause mouth, throat and abdominal pains and burning.
If in Eyes	Cause serious eye damage. Prolonged and repeated contact of the eyes may lead to permanent damage.
If on Skin	Causes severe skin burns. Prolonged or repeated contact may lead to dermatitis.
If Inhaled	Mists may be discomforting to the respiratory tract and prolonged contact may lead to breathing difficulty.
First aid actions:	Immediately call a POISON CENTRE or doctor/physician. If medical advice is needed, have product container or label at hand.
If Swallowed	Rinse mouth. Do NOT induce vomiting.
If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If on Skin	Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
If Inhaled	Remove to fresh air and keep at rest in a position comfortable for breathing.
Workplace facilities:	Eye wash bottles and copious quantities of water should be available.
Notes for medical personnel:	Treat for exposure to alkali.

Section 5: Fire Fighting Measures

Type of hazard	Corrosive, Non-Flammable. May form flammable hydrogen gas under certain circumstances.
HAZCHEM code:	2X
Combustion products:	Possible formation of poisonous products including Potassium oxides.
Extinguishing media & methods:	Keep containers cool with water fog or mist when exposed to fire.
Recommended protective clothing:	Wear full protective clothing including breathing apparatus.

Section 6: Accidental Release Measures

Personal protection:	See Section 8.3 for appropriate PPE.
Containment and clean up:	Contain and absorb spillage to prevent material damage. Rinse contaminated area with water and absorb rinsate.
Special requirements:	See Section 13 for instructions for the disposal of waste/contaminated material. An Emergency Response Plan is required for quantities of 10,000L or more.

Section 7: Handling and Storage

Subsection 1:	Handling
Handling practices	Wear appropriate PPE as detailed in Section 8.3. Keep out of reach of children. Read label before use.
Subsection 2:	Storage
Site requirements	Store locked up in a corrosive resistant container with a resistant inner liner. Bunding is required for all quantities equal to or greater than 10,000L. Ensure eye bath and shower are available on site.
Packaging	Keep only in original container.

Section 8: Exposure Controls/Personal Protection

Subsection 1:	Workplace Exposure Guidelines (may also be considered in section 2)
Workplace exposure standards	No exposure limits have been set.
Exposure Standards outside the workplace	No exposure limits have been set.
Subsection 2:	Engineering Controls
Exposure control measures	Avoid unnecessary generation of mists and fog. Do not breathe mist. Use plastic or stainless steel fittings.
Subsection 3:	Personal Protective Equipment (PPE)
Detail specifications for equipment	Wear protective gloves; wear full-face protection; wear an apron or body protection.
General hygiene	Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section 9: Physical and Chemical Properties

Appearance	Pale brown liquid	pH	Approx 13
Odour	Mild	Boiling point (degC)	Not available
Specific gravity (kg/L)	1.06	Freezing point (degC)	Not available
Solubility	Infinite in water	Flashpoint (degC)	Not flammable

Section 10: Stability and Reactivity

Stability of substance:	Stable.
Material to avoid:	Avoid contact with acidic materials and oxidising agents, metals (especially tin and zinc).
Hazardous decomposition products:	Potassium oxide, hydrogen gas, carbon monoxide.
Hazardous polymerization:	Will not occur.

Section 11: Toxicological Information

Data and Interpretation:	Calculated LD50 3900mg/kg. See Section 2 for general hazard information.
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Section 12: Ecological Information

Potential Environmental Interactions:	Hazardous to living organisms and may dissolve some soil matter. No information is available for persistence or accumulation. Avoid release to the environment.
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Section 13: Disposal Considerations

Product disposal:	Dispose in landfill with authorisation.
Container disposal:	Triple-rinse container into the spray tank. Recycle or crush and bury.

Section 14: Transport Information

UN Number:	1814
DG Class and Subsidiary Group:	8
Proper shipping name:	Potassium Hydroxide solution
Packing group:	III

HAZCHEM code: 2X

Special precautions: Segregate from Acids, Oxidising substances (Class 5), Aluminium, zinc, tin and Foodstuffs. Do not carry on the same vehicle as Explosive (Class 1) or Radioactive (Class 7) substances. Do not carry more than 1L on a passenger service vehicle.

Section 15: Regulatory Information

Regulatory status: Registered pursuant to the ACVM Act 1997, No. P8281.
See www.foodsafety.govt.nz for registration conditions.
Approved pursuant to the HSNO Act 1996, Approval Code HSR 100827.

HSNO Controls: Trigger quantities for this substance:

SDS must be available for	Any quantity
Signage	1,000L
Emergency plan	10,000L
Bunding	10,000L

Section 16: Other Information

Revision due: 07 July 2022

Additional information: Directions for use are found on the product label.

Glossary:

ACVM	Agricultural Compounds and Veterinary Medicines (in relation to Group or Act 1997)
CAS	Chemical Abstract Services Number, used to uniquely identify chemical compounds
HSNO	Hazardous Substances and New Organisms (legislation 1996)
LD50	Lethal Dose fatal to 50% of test animals/organisms
PPE	Personal Protective Equipment

This SDS summarises our best knowledge of the health and safety hazard information available for this product and how to safely handle and use it. Since the use of this information and the conditions of the use of this product are not under the control of GroChem, it is the user's responsibility to determine conditions of safe use of the product.