Date of Issue: May 2024

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name:	**Sabakem Buffer 700**
Other means of identification	
Recommended use of the chemical and restrictions on use:	Non-ionic surfactant to aid in penetration, wetting and spreading of agricultural products as per the directions on the label
Supplier:	**Sabakem Pty Ltd**
Street address:	**Suite 809, Level 8, 2 Queen St** **Melbourne VIC 3000 Australia**
Telephone no.:	**03 9629 3979**
Website:	**www.sabakem.com**
Emergency telephone:	**Poisons Information Centre 13 11 26 (24 hours)**

2. HAZARDS IDENTIFICATION

Classification of the substance mixture:

This material is hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia; HAZARDOUS SUBSTANCE.

Classification of the substance or mixture:
Acute oral toxicity – Category 4
Acute dermal toxicity – Category 4
Skin corrosion/irritation – Category 1
Serious eye damage/irritation – Category 1
STOT single exposure – Category 3

The following environment hazard categories fall outside the scope of the Workplace Health and Safety Regulations
Aquatic acute toxicity – Category 3
Aquatic chronic toxicity – Category 3

SIGNAL WORD: DANGER

Hazard Statement(s):
H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.
H402: Harmful to aquatic life.
H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement(s):
Prevention:
P260: Do not breathe dusts or mists.
P264: Wash contacted areas thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:
P301 + P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P330: Rinse mouth.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P310: Immediately call a POISON CENTRE/doctor.
P362 + P364: Take off contaminated clothing and wash before reuse.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Disposal:
P501: Dispose of contents/container as per container label, in accordance with local/state/territory government regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion (w/v)
Propionic acid	79-09-4	350 g/L
Other components are not considered hazardous in this formulation and therefore are not required to be disclosed according to the WHS Regulations. Following is the information for the active constituent which is not classified as hazardous in this formulation.		
Soyal phospholipids	8002-43-5	350 g/L

4. FIRST AID MEASURES

Speed in treatment is essential. If poisoning occurs, contact a Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766 or a doctor. Have this SDS or the label with you.

Inhalation: If inhaled, bring affected person to fresh air. If symptoms develop, contact a Poisons Information Centre or a doctor at once.

Skin contact: Remove contaminated clothing and wash with plenty of water and soap. If symptoms develop, seek medical attention.

Eye contact: If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes. Seek medical advice.

Ingestion: If swallowed, wash mouth with water and contact a Poisons Information Centre, or call a doctor. Do not induce vomiting unless told to do so by the Poisons Information Centre or doctor.

First aid facilities: Eyewash and normal washroom facilities.

Medical attention and special treatment: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing equipment:	Carbon dioxide, dry chemical, foam, water fog or water mist.
Hazchem code:	2X
Specific hazards arising from the chemical:	This product will burn if exposed to fire. Considered low risk due to water content, however upon evaporation of water, the product is combustible. Under fire conditions, this product may emit toxic and/or irritating fumes and gases including carbon dioxide, carbon monoxide, oxides of nitrogen and oxides of phosphorous. Take appropriate protective measures.
Special protective equipment and precautions for fire-fighters:	In case of fire and/or explosion do not breathe fumes. Wear self-contained breathing apparatus and chemical-protective clothing. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately. Do not allow contaminated water to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures/ Environmental precautions:	In the event of a spill, prevent spillage from entering drains or water courses with absorbent material and call emergency services.
Personal precautions/ Protective equipment:	Wear protective clothing. It is good practice to wear impermeable gloves when handling chemical products.
Methods and materials for containment and cleaning up:	Contain - prevent run off into drains and waterways. For minor spills, clean up, rinsing to sewer and put empty container in garbage.

7. HANDLING AND STORAGE

Precautions for safe handling:	Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Keep containers closed at all times - check regularly for leaks or spills. Transport and store upright. Refer to Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under 'Storage' should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.
Conditions for safe storage, including any incompatibilities:	Store packages of this product in a cool place. Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Make sure that the product does not come into contact with substances listed under 'Incompatibilities' in Section 10. Check packaging - there may be further storage instructions on the label.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure control measures:	No value assigned for this specific material by Safe Work Australia. No biological limit allocated for the product or any of its ingredients. No biological monitoring is required.
Engineering controls:	Use in well-ventilated areas. Keep containers closed when not in use.

Individual protection measures, such as Personal Protective Equipment (PPE):

See container label safety directions. The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

Observe good standards of hygiene and cleanliness. Always wash hands, arms and face thoroughly with soap and water before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment with detergent and warm water before storage or re-use.

Respiratory protection:	If engineering controls are not effective in controlling airborne exposure, then an approved respirator with a replaceable vapour/mist filter should be used. Consult AS/NZS 1715 and AS/NZS 1716 for further information.
Eye and face protection:	Avoid contact with eyes. Safety glasses/goggles with side shield protection should be worn as a general precaution. Consult AS/NZS 1336 and AS/NZS 1337 for further information.
Skin protection:	Full protective clothing, and elbow-length rubber or chemical resistant gloves must be worn when opening the container and using the product. Always check with the glove manufacturer or your personal protective equipment supplier regarding the correct type of glove to use. Consult AS/NZS 2161 for further information.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Dark Brown
Odour:	Not determined
pH:	Approx. 5.5
Specific gravity:	1.02
Melting point/Freezing point:	Not determined
Boiling point/range:	Not determined
Flash point:	Not Flammable
Evaporation point:	Not Flammable
Vapour pressure:	Not Flammable
Vapour density:	Not determined
Solubility:	Not determined
Partition coefficient: n- octanol/water	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined

10. STABILITY AND REACTIVITY

Reactivity:	No known reactivity hazards associated with this product, under normal conditions of use.
Chemical stability:	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Possibility of hazardous reactions:	No information available.
Conditions to avoid:	Heat, sparks, open flames and other sources of ignition. Do not store in direct sunlight.
Incompatible materials:	Strong oxidising agents, acids, bases and copper compounds.
Hazardous decomposition products:	Thermal decomposition may result in the release of toxic and/or irritating fumes: carbon dioxide, carbon monoxide and oxides of phosphorus.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Harmful if swallowed. May cause gastrointestinal irritation, nausea, diarrhoea and vomiting. Harmful in contact with skin. Product can be absorbed through skin with resultant harmful systemic effects. Not considered harmful and does not cause toxicity via inhalation route, according to available information.
Skin irritation:	Is considered a skin corrosive according to available information.
Eye irritation:	Causes serious eye damage according to available information.
Respiratory or skin sensitisation:	Not a skin sensitiser and not expected to be a respiratory sensitiser according to available information.
Germ cell mutagenicity:	Not suspected to cause genetic defects according to available data.

Carcinogenicity:	Not considered to be carcinogenic according to available data.
Reproductive toxicity:	Not considered to be toxic to reproduction according to available data.
STOT-single exposure:	May cause respiratory irritation. Inhalation of product mist or vapour can cause irritation of the nose, throat and respiratory system.
STOT-repeated exposure:	Not expected to cause toxicity to a specific target organ according to available data.
Aspiration hazard:	Not expected to be an aspiration hazard according to available data.
Chronic health effects:	Not expected to cause chronic health effects according to available data.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Available information on this product indicates that this product is classified as a chronic aquatic toxicant. **Toxicity data is available on the active constituent, Propionic acid:** LC50 (96 hr) Bluegill Sunfish = 210 mg/L. LC50 (96 hr) rainbow trout = 130 mg/L. LC50 (48 hr) Daphnia magna = 170 mg/L
Persistence/ Degradability:	No information available.
Bioaccumulative potential:	No indication of bioaccumulation potential.
Mobility in soil:	No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Refer to Waste Management Authority. Dispose of contents/container in accordance with local/regional/national/international regulations. Break, crush or puncture and dispose of empty containers in a local authority landfill. Triple rinse and bury rinsate and empty capsules in a local authority landfill. If no landfill is available, bury the containers below 0.5m in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product must not be burnt. Do NOT re-use containers for any other purpose.

14. TRANSPORT INFORMATION

Road and rail transport: Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

UN Number:	1760
Proper Shipping Name or Technical Name:	CORROSIVE LIQUID, N.O.S (CONTAINS PROPIONIC ACID)
Transport Hazard Class:	8
Packaging Group:	III
Hazchem Code:	2X
Environmental hazards:	The environmentally hazardous substance mark is not required.
Additional information:	Not applicable.

Marine transport: Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN Number:	1760
Proper Shipping Name or Technical Name:	CORROSIVE LIQUID, N.O.S (CONTAINS PROPIONIC ACID)
Transport Hazard Class:	8
Packaging Group:	III
IMDG EMS Fire:	F-A
IMDG EMS Spill:	S-B
Environmental hazards:	The environmentally hazardous substance mark is not required.

	Additional information:	Not applicable.
Air transport:	Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.	
	UN Number:	1760
	Proper Shipping Name or Technical Name:	CORROSIVE LIQUID, N.O.S (CONTAINS PROPIONIC ACID)
	Transport Hazard Class:	8
	Packaging Group:	III
	Environmental hazards:	The environmentally hazardous substance mark is not required.
	Additional information:	Not applicable.

15. REGULATORY INFORMATION

Poison schedule (SUSMP): Schedule 5

APVMA approval no.: 94542

AICIS: All the constituents of this material are either listed on the Australian Inventory of Industrial Chemicals (AIIC), not required due the nature of the chemical as they are excluded as an industrial chemical or have been assessed under the Industrial Chemicals Act 1989 as amended.

16. OTHER INFORMATION

General information: None

Issue number: 001

Issue date: 3 June 2024

In any event, the review and, if necessary, the re-issue of an SDS shall be no longer than 5 years after the last date of issue.

Reason(s) for issue: First issue

Key abbreviations or acronyms used:

ADG Code - Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)

AICIS – Australian Industrial Chemicals Introduction Scheme (formerly NICNAS)

AIIC - Australian Inventory of Industrial Chemicals

APVMA – Agricultural Pesticides and Veterinary Medicines Australia

GHS - Globally Harmonised System of Classification and Labelling of Chemicals (7th revised edition) 2017

IARC - International Agency for Research on Cancer

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (July 2023)

STEL - Short term exposure limit means the average airborne concentration of a substance calculated over a 15 minute period. The STEL should not be exceeded at any time during a normal eight hour working day.

SUSMP - Standard for the Uniform Scheduling of Medicines & Poisons

SWA - Safe Work Australia, formerly ASCC and NOHSC

TGA – Therapeutic Goods Australia

TWA - Time-weighted average means the average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.

WHS – Workplace Health and Safety

End of SDS