

Buff-it™

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

Product name:	Buff-it™
Recommended use:	Spray Adjuvant – pH Buffer
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:	9 May 2017

Section 2: Hazards Identification

Hazard classification (Transport):	Class 8, packing group III
Hazardous substances (HSNO):	6.1D (WARNING: Harmful if swallowed or in contact with skin) 8.2B (DANGER: Causes severe skin burns and eye damage) 8.3A (DANGER: Causes serious eye damage) 9.1D (Toxic to aquatic life) 9.3B (Toxic to terrestrial vertebrates)



Section 3: Composition/Information on Ingredients

Classification & type: Pure substance

Material	CAS No.	Proportion (%w)
Non-ionic Fatty Acid Ethoxylates	9004-91-3	54.5
Propionic Acid	79-09-4	40.0
Potassium Hydroxide	1310-58-3	4
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	Harmful if swallowed. Will cause mouth, throat and abdominal pains and burning.
If in Eyes	Causes severe eye damage.
If on Skin	Causes severe skin burns.
If Inhaled	Harmful if inhaled.
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 (or Hair)	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:	Eyewash and safety shower must be available.
Notes for medical personnel:	Treat symptomatically.

Section 5: Fire Fighting Measures

Type of Hazard:	Not a fire hazard.
HAZCHEM code:	2X
Combustion products:	Oxides of Carbon and Potassium may be produced.
Extinguishing media & methods:	Dry Chemical, CO ₂ , Water Spray. Contain run-off.
Recommended protective clothing:	Fire-fighters should wear self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal protection:	See Section 8.3 for appropriate PPE.
Containment and clean up:	Slippery when spilt, clean up immediately. Wear protective equipment to prevent skin and eye damage. Use absorbent material to contain and collect spillage. Prevent product from entering waterways. Dispose of at a local landfill in accordance with council rules.
Special requirements:	See Section 13 for instructions for the disposal of waste/contaminated material.

Section 7: Handling and Storage

Subsection 1:	Handling
Handling practices	Wear appropriate PPE as detailed in Section 8.3.
Subsection 2:	Storage
Site requirements	Store locked up in a cool place away from foodstuffs.
Packaging	Store in original container maintaining full label information.

Section 8: Exposure Controls/Personal Protection

Subsection 1:	Workplace Exposure Guidelines (may also be considered in section 2)
Workplace exposure standards	No exposure standards have been set for this substance.
Subsection 2:	Engineering Controls
Exposure control measures	Use in a well ventilated area. Wear appropriate PPE and avoid contact. Avoid unnecessary generation of mists and fog.

Subsection 3:
Personal Protective Equipment (PPE)

Detail specifications for equipment
General hygiene

Wear protective gloves, full-face protection and apron or body protection.
Wash thoroughly after handling.

Section 9: Physical and Chemical Properties

Appearance	Red liquid	pH	3.6 – 4.4
Specific gravity (kg/L)	1.04 – 1.06	Boiling point (degC)	> 150
Solubility	Dispersible in water	Freezing point (degC)	< 10
		Flashpoint (degC)	> 150

Section 10: Stability and Reactivity

Stability of substance:	Stable under normal conditions.
Conditions to avoid:	None known.
Material to avoid:	Strong oxidisers.
Hazardous decomposition products:	May release oxides of carbon and potassium.
Hazardous polymerization:	Will not occur.

Section 11: Toxicological Information

Data and interpretation:	LD50 (calculated): 1312 mg/kg. See Section 2 for general hazard information.
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Section 12: Ecological Information

Potential Environmental Interactions:	Toxic to aquatic life and terrestrial vertebrates.
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Section 13: Disposal Considerations

Product disposal:	Use as directed on the label or dispose of at an approved facility. Avoid contaminating waterways.
Container disposal:	Triple rinse empty container into spray tank. Recycle or crush and bury at an approved landfill. Avoid contaminating waterways.

Section 14: Transport Information

UN Number:	1848
DG Class and Subsidiary Group:	8
Proper shipping name:	Propionic Acid.
Packing group:	III
HAZCHEM code:	2X

Section 15: Regulatory Information

Regulatory status:	Approved pursuant to the HSNO Act 1996, Approval Code: HSR002491. See www.epa.govt.nz for approval conditions. (Additives, Process Chemicals and Raw Materials (corrosive) Group Standard 2006)
HSNO Controls:	Trigger quantities for this substance:
SDS must be available for:	Any Quantity
Signage:	250L
Emergency plan:	1000L
Bunding:	1000L

Section 16: Other Information

Revision due:	9 May 2022
Additional information:	Directions for use are found on the product label.
Glossary:	
CAS	Chemical Abstract Services Number, used to uniquely identify chemical compounds
HSNO	Hazardous Substances and New Organisms (legislation 1996)
LD50	Lethal Dose to kill 50% of test animals/organisms
PPE	Person Protection Equipment

This MSDS 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.