

## Buff-it™

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

<b>Product name:</b>	Buff-it™
<b>Recommended use:</b>	Spray Adjuvant – pH Buffer
<b>Company details:</b>	GroChem (AgriNova New Zealand Limited) 15 Sunlight Grove Porirua New Zealand
<b>Telephone:</b>	+64 4 237 0905
<b>Email:</b>	grochem@grochem.com
<b>Emergency telephone:</b>	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)
<b>Date of preparation:</b>	9 May 2017

### Section 2: Hazards Identification

<b>Hazard classification (Transport):</b>	Class 8, packing group III
<b>Hazardous substances (HSNO):</b>	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

<b>Material</b>	<b>CAS No.</b>	<b>Proportion (%w)</b>
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

<b>Symptoms of exposure:</b>	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.
<b>First aid actions:</b>	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.
<b>Workplace facilities:</b>	Eyewash and safety shower must be available.
<b>Notes for medical personnel:</b>	Treat symptomatically.

## Section 5: Fire Fighting Measures

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

## Section 6: Accidental Release Measures

<b>Personal protection:</b>	See Section 8.3 for appropriate PPE.
<b>Containment and clean up:</b>	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.
<b>Special requirements:</b>	See Section 13 for instructions for the disposal of waste/contaminated material.

## Section 7: Handling and Storage

<b>Subsection 1:</b>	<b>Handling</b>
Handling practices	Wear appropriate PPE as detailed in Section 8.3.
<b>Subsection 2:</b>	<b>Storage</b>
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

<b>Subsection 1:</b>	<b>Workplace Exposure Guidelines (may also be considered in section 2)</b>
Workplace exposure standards	No exposure standards have been set for this substance.
<b>Subsection 2:</b>	<b>Engineering Controls</b>
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**

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

**Section 10: Stability and Reactivity**

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

**Section 11: Toxicological Information**

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

<b>Potential Environmental Interactions:</b>	Toxic to aquatic life and terrestrial vertebrates.
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**Section 13: Disposal Considerations**

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

**Section 14: Transport Information**

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

## Section 15: Regulatory Information

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

## Section 16: Other Information

<b>Revision due:</b>	9 May 2022
<b>Additional information:</b>	Directions for use are found on the product label.
<b>Glossary:</b>	
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.