

## Jewel Clean LF™

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

<b>Product name:</b>	Jewel Clean LF
<b>Recommended use:</b>	A water stain remover for use on kiwifruit.
<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>	01 March 2018

### Section 2: Hazards Identification

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

**Hazardous substances (HS Regulations 2001):** 6.1D WARNING Toxic if swallowed.  
8.2C DANGER Causes severe skin burns and eye damage.  
8.3A DANGER Causes serious eye damage.  
9.1C Harmful to aquatic life with long lasting effects.  
9.3C Harmful to terrestrial vertebrates.



**Precautionary statement(s)** P102 Keep out of reach of children  
P103 Read Label before use  
P260 Do not breathe fume/mist/spray  
P264 Wash thoroughly after handling  
P270 Do not eat, drink or smoke when using this product  
P280 Wear protective gloves, eye/face protection and protective clothing

### Section 3: Composition/Information on Ingredients

**Classification & type: Pure substance**

Material	CAS No.	Proportion (%w)
Lactic Acid	50-21-5	>60%
Phosphoric Acid	7664-38-2	<10%
Phosphates		15-20%
Components with no significant hazard contribution		to 100%

### Section 4: First Aid Measures

<b>First aid actions:</b>	Immediately call a POISON CENTRE or doctor/physician.
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.
<b>Workplace facilities:</b>	Eye wash bottles and copious quantities of water should be available.
<b>Notes for medical personnel:</b>	Treat for exposure to acid.

### Section 5: Fire Fighting Measures

<b>Type of Hazard:</b>	Corrosive, Organic matter may burn after decomposing with excess heat.
<b>HAZCHEM code:</b>	2X
<b>Combustion products:</b>	Possible formation of poisonous gasses including Phosphorus oxides.
<b>Extinguishing media &amp; methods:</b>	Keep containers cool with water fog or mist when exposed to fire.
<b>Recommended protective clothing:</b>	Wear full protective clothing including breathing apparatus.

### Section 6: Accidental Release Measures

<b>Personal protection:</b>	See Section 8.3 for appropriate PPE.
<b>Containment and clean up:</b>	May be neutralised with lime. Contain and absorb spillage to prevent material damage. Rinse contaminated area with water and absorb rinsate. Do not allow to enter drains or waterways.
<b>Special requirements</b>	See Section 13 for instructions for the disposal of waste/contaminated material. An Emergency Response Plan is required for quantities of 1,000L or more.

## 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. Bunding is required for quantities greater than 10,000L.
Packaging	Keep only in original container.

## 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 limits have been set.
Exposure Standards outside the workplace	No exposure limits have been set.
<b>Subsection 2:</b>	<b>Engineering Controls</b>
Exposure control measures	Avoid unnecessary generation of mists and fog. Do not breathe mist.
<b>Subsection 3:</b>	<b>Personal Protective Equipment (PPE)</b>
Detail specifications for equipment	Wear protective gloves; wear full-face protection; and apron or body protection.
General hygiene	Wash thoroughly after handling.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Clear – pale yellow Liquid	<b>pH</b>	2
<b>Odour</b>	Milky	<b>Boiling point (degC)</b>	Not available
<b>Specific gravity (kg/L)</b>	1.29	<b>Freezing point (degC)</b>	Not available
<b>Solubility</b>	Infinite in water	<b>Flashpoint (degC)</b>	Not flammable

## Section 10: Stability and Reactivity

<b>Material to avoid:</b>	Avoid contact with alkali materials and oxidising agents (Class 5).
<b>Hazardous decomposition products:</b>	Toxic gases may be released in a fire (see Section 5).
<b>Hazardous polymerization:</b>	Will not occur.

## Section 11: Toxicological Information

<b>Data and interpretation:</b>	No toxicological data is known. See Section 2 for general hazard information.
<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	Unlikely, but large quantities may cause abdominal pains and burning.
If in Eyes	Will cause eye irritation and may cause eye damage if not washed out immediately. Prolonged and repeated contact of the eyes may lead to permanent damage.
If on Skin	May cause irritation and burning. 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.

## Section 12: Ecological Information

<b>Potential environmental interactions:</b>	Toxic to terrestrial vertebrates and may dissolve some soil matter. Natural minerals will eventually reduce acidity however the phosphate may persist indefinitely. Harmful to aquatic life with long lasting effects.
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## Section 13: Disposal Considerations

<b>Product disposal:</b>	May be neutralised with lime. Dispose in landfill with authorisation.
<b>Container disposal:</b>	Triple-rinse container into the spray tank. Recycle at an appropriate facility (e.g. Agrecovery) or crush and bury at an approved landfill.

## Section 14: Transport Information

<b>UN number:</b>	3265
<b>DG class and subsidiary group:</b>	8
<b>Proper shipping name:</b>	Corrosive Liquid, Acidic, Organic, N.O.S.
<b>Packing group:</b>	III
<b>HAZCHEM code:</b>	2X
<b>Special precautions</b>	Segregate from Oxidising substances (Class 5) and Foodstuffs. DO NOT carry in the same vehicle as Explosive (Class 1) or Radioactive (Class 7) substances. DO NOT carry more than 1 litre on a passenger service vehicle.

**Section 15: Regulatory Information**

**Regulatory status:** This product is approved under Fertilisers (Corrosive) Group Standard 2006 of the HSNO Act 1996. See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions. Approval number HSR002569.

**HSNO Controls:** Trigger quantities for this substance:

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

**Section 16: Other Information**

**Revision due:** 01 March 2023

**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).
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.