

## Humusol SC™

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

<b>Product name:</b>	Humusol SC™
<b>Recommended use:</b>	Soil conditioning
<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 3 353 0199  or The National Poisons Centre 0800 POISON (0800 764 766)
<b>Date of preparation:</b>	04 May 2017

### Section 2: Hazards Identification

<b>Hazard classification (Transport):</b>	Not a dangerous good for transport.
<b>Hazardous substances (HSNO):</b>	Not hazardous according to HSNO Act (1996).

### Section 3: Composition/Information on Ingredients

Classification & type:	CAS No.	Proportion (%w)
<b>Material</b>		
Humic Acid	-	10% approx
Other Non-Hazardous components		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	No adverse effects expected.
If in Eyes	May cause minor irritation.
If on Skin	No adverse effects expected.
If Inhaled	No adverse effects expected.
<b>First aid actions:</b>	
If Swallowed	Give water to drink. Consult a health professional if concerned.
If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
If on Skin	Wash with soap and water.
If Inhaled	Remove to fresh air and sit in a position comfortable for breathing.
<b>Workplace facilities:</b>	Eyewash recommended.
<b>Notes for medical personnel:</b>	Treat symptomatically.

#### Section 5: Fire Fighting Measures

<b>Type of Hazard:</b>	Not flammable.
<b>HAZCHEM code:</b>	N/A
<b>Combustion products:</b>	Oxides of Carbon.
<b>Extinguishing media &amp; methods:</b>	Use media appropriate to flammable material. Preferably use a mist or spray and prevent runoff entering water systems.
<b>Recommended protective clothing:</b>	Self-contained breathing apparatus is recommended.

#### Section 6: Accidental Release Measures

<b>Personal protection:</b>	See Section 8.3 for appropriate PPE.
<b>Containment and clean up:</b>	Contain large spills. Small spills should be washed away with excess water.

**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 in a cool place.
Packaging	No special requirements.

**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 product.
<b>Subsection 2:</b>	<b>Engineering Controls</b>
Exposure control measures	If sprays are generated, use in a well ventilated area.
<b>Subsection 3:</b>	<b>Personal Protective Equipment (PPE)</b>
Detail specifications for equipment	Wear gloves and eye protection
General Hygiene	Wash clothes and exposed skin after using these products.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Black liquid	<b>pH</b>	7-9
<b>Odour</b>	Mild	<b>Boiling point (degC)</b>	Not available
<b>Specific gravity (kg/L)</b>	1.0-1.1	<b>Freezing point (degC)</b>	Not available
<b>Solubility</b>	Soluble in water	<b>Not flammable</b>	Not flammable

**Section 10: Stability and Reactivity**

<b>Stability of substance:</b>	Stable.
<b>Conditions to avoid:</b>	Low pH.
<b>Material to avoid:</b>	Acids.
<b>Hazardous decomposition products:</b>	May release oxides of carbon.
<b>Hazardous polymerization:</b>	Will not occur.

**Section 11: Toxicological Information**

<b>Data and interpretation:</b>	Not considered hazardous. See section 2 for general hazard information.
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**Section 12: Ecological Information**

<b>Potential environmental interactions:</b>	Not considered hazardous.
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**Section 13: Disposal Considerations**

<b>Product disposal:</b>	Use as directed on the label or dispose of at an appropriate landfill.
<b>Container disposal:</b>	Rinse well and deliver to a recycling depot (eg Agrecovery)

**Section 14: Transport Information**

<b>UN Number:</b>	N/A
<b>DG Class and Subsidiary Group:</b>	N/A
<b>Proper shipping name:</b>	N/A
<b>Packing group:</b>	N/A
<b>HAZCHEM code:</b>	N/A

**Section 15: Regulatory Information**

<b>Regulatory status:</b>	Not required to be controlled by regulations.
<b>HSNO Controls:</b>	Not Hazardous under the HSNO Act.

**Section 16: Other Information**

<b>Revision due:</b>	04 May 2022.
<b>Additional information:</b>	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.