

## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: Florissant 210  
 Product No:  
 Product Use: Cut Flower Conditioner  
 Restrictions of Use: Refer to Section 15

New Zealand Supplier: Horticulture Ltd  
 Address: 10 Firth Street  
 Drury, 2113

Telephone: +64 9 294 8453  
 Fax Number: +64 9 294 7272

New Zealand: **0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 12 January 2023

### Section 2. Hazards Identification

**Not classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP] which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Safety Data Sheets) Notice 2017.**

### Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Non-hazardous ingredients	To 100	

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes: Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product.

If on Skin: In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters), seek medical advice.

If Swallowed: Rinse mouth. Never give anything to an unconscious person. Seek medical assistance if needed.

If Inhaled: Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

### Most important symptoms and effects, both acute and delayed

Product Name: Florissant 210  
 Date of SDS: 12 January 2023

SDS Prepared by: Technical Compliance Consultants (NZ) Ltd  
[www.techcomp.co.nz](http://www.techcomp.co.nz) Tel: 64 9 475 5240

Symptoms: None known.

## Section 5. Fire Fighting Measures

<b>Hazard Type</b>	Non Flammable
<b>Hazards from combustion products</b>	None known.
<b>Suitable Extinguishing media</b>	In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder, water).
<b>Precautions for firefighters and special protective clothing</b>	Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,) in accordance with Directive 89/654/EC. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.
<b>HAZCHEM CODE</b>	<b>None allocated.</b>

## Section 6. Accidental Release Measures

Wear appropriate PPE as detailed in Section 8. Isolate leaks provided that there is no additional risk for the people performing this task. Keep unprotected persons away.

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Dispose of according to Section 13.

## Section 7. Handling and Storage

### Handling

- Read label before use.
- It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products.
- Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

### Storage

- Store away from incompatible materials listed in Section 10.
- Storage temp: Minimum: 4°C Maximum: 30°C
- Avoid sources of heat, radiation, static electricity and contact with food.

## Section 8 Exposure Controls / Personal Protection

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or

narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 13TH EDITION.

### Engineering Controls

Ensure adequate ventilation is available.

### Personal Protective Equipment

<b>Eyes</b>	Not required.
<b>Hands and Skin</b>	Not required.
<b>Respiratory</b>	Not required.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Transparent Liquid
<b>Colour</b>	Colourless
<b>Odour</b>	Chlorine
<b>Odour Threshold</b>	Not available
<b>pH</b>	3.9
<b>Boiling Point</b>	Not available
<b>Melting/Freezing Point</b>	Not available
<b>Flash Point</b>	99°C
<b>Flammability</b>	Not available
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	51 Pa@ 20°C 374,38 Pa (0,37 kPa)@ 50°C
<b>Density @ 20°C</b>	1037 kg/m <sup>3</sup>
<b>Solubilities</b>	Not available
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	421°C
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	64,41 mm <sup>2</sup> /s @ 20°C
<b>Dynamic Viscosity</b>	66,74 cP @ 20°C
<b>Particle Characteristics</b>	Not available

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Conditions to Avoid</b>	None known. Heat, flames and sparks.
<b>Hazardous Reactions</b>	No hazardous reactions are expected because the product is stable under recommended storage conditions.
<b>Incompatible Materials</b>	Avoid alkalis and strong bases.
<b>Hazardous Decomposition Products</b>	Produces toxic gases.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.

<b>Eye</b>	Not applicable.
<b>Skin</b>	Not applicable.

**Chronic Effects:**

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

**Section 12. Ecotoxicological Information**

<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulation</b>	No data available.
<b>Mobility in Soil</b>	No data available.
<b>Other adverse effects</b>	No data available.

**Section 13. Disposal Considerations**

**Disposal Method:**

Triple rinse container. Cleaned packaging maybe offered for recycling or landfill in accordance with local regulations. Dispose of unwanted product as a hazardous material according to Local Regulations.

Precautions and methods to avoid: None known.

**Section 14 Transport Information**

**This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021**

**Section 15 Regulatory Information**

**Not classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP] which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Safety Data Sheets) Notice 2017.**

**Section 16 Other Information**

**Glossary**

Cat	Category
EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.

UEL  
WES

Upper Explosive Level  
Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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