



# SAFETY DATA SHEET

## Valagro Ferrilene

Date of Issue: April 2016

### 1. IDENTIFICATION

<b>Product Identifier:</b>	<b>Valagro Ferrilene</b>
<b>Other Means of Identification:</b>	<b>Iron EDDHSA sodium salt; Acetic acid, oxo-, sodium salt, reaction products with ethylenediamine and hydroxybenzenesulfonic acid monosodium salt, iron sodium salts.</b>
<b>Recommended Use of the Chemical and Restrictions on Use:</b>	Fertiliser
<b>Details of Manufacturer or Importer:</b>	Campbells Fertilisers Australasia 18 Raymond Road, Laverton North, Victoria, 3026 Phone: (03) 9931 2211 Fax: (03) 9931 2201 <a href="http://www.campbellsfert.com.au">www.campbellsfert.com.au</a>
<b>Emergency Telephone Number:</b>	(03) 9931 2211 (business hours only 8.30 am to 5.00 pm) 0418 350 726 (after business hours)

### 2. HAZARD(S) IDENTIFICATION

<b>GHS Classification:</b>	Not classified as hazardous according to the GHS
<b>ADG Classification:</b>	Based on available information, not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail, 7 <sup>th</sup> Edition
<b>SUSMP Classification:</b>	Exempt from Poison Scheduling

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Component:	CAS Number:	Proportion (%w/w):
Non-hazardous Components	-	100

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### 4. FIRST AID MEASURES

#### Description of Necessary First Aid Measures:

- Inhalation:** Remove casualty to fresh air and keep warm and at rest.
- Skin Contact:** Immediately take off all contaminated clothing. Areas of the body that have or are suspected of having come into contact with the product must be rinsed immediately with plenty of running water and soap. Wash the body thoroughly in a shower or bath. Dispose of contaminated clothing safely.
- Eye Contact:** Rinse with plenty of water with the eyelids held open for a sufficient length of time, then consult an ophthalmologist immediately. Protect uninjured eye.
- Ingestion:** Never give anything by mouth to an unconscious person. If person is conscious, rinse mouth with water and then give plenty of water to drink. Do not induce vomiting unless instructed to do so by medical personnel. **OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.**
- First Aid Facilities:** Ensure washing facilities, including an eyewash, are available and maintained.
- Advice:** Persons providing first aid must use personal protection equipment (latex gloves and safety glasses).

#### Symptoms caused by Exposure:

- Inhalation:** Possible irritation of respiratory tract.
- Skin Contact:** Possible irritation according to the contact time with the product.
- Eye Contact:** Possible irritation according to the contact time with the product.
- Ingestion:** Possible irritation of mouth and digestive tract.

#### Medical Attention and Special Treatment:

If exposed, concerned or if symptoms persist, get medical attention/advice. If medical advice is needed, have product container or label at hand.

### 5. FIRE FIGHTING MEASURES

- Suitable Extinguishing Equipment:** Water, carbon dioxide (CO<sub>2</sub>)
- Specific Hazards arising from the Chemical:** Do not inhale explosion and combustion gases. Burning produces heavy smoke containing carbon oxides, nitrogen oxides, sulfur oxides.
- Special Protective Equipment and Precautions for Fire Fighters:** Wear suitable personal protective equipment and self-contained breathing apparatus. Protective clothing for firefighters (full protective suit, helmet, gloves, boots) must conform to the standard EN469. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

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### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:**

For non-emergency personnel:

- No action shall be taken involving any personal risk or without suitable training
- Wear protective clothes giving total skin protection, gloves, safety glasses and mask with filter P2
- Keep people not involved in the emergency intervention away from the affected area
- Ensure adequate ventilation, move people to a safe place
- Alert the internal emergency team

For emergency responders:

- Wear protective clothes giving total skin protection, nitrile rubber gloves, safety glasses and mask with filter P2
- Ensure adequate ventilation, move people to a safe place
- See protective measures in section 8
- Avoid dust generation
- Dusts at sufficient concentrations can form explosive mixtures with air
- Avoid any accumulation of electrostatic charge
- Product layer on hot surface might cause auto-ignition

**Environmental Precautions:**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated wash water and dispose in an approved landfill. If possible, collect in clean plastic labeled containers and reuse as fertilizer. In case of gas escape or entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, soil, sand.

**Methods and Materials for Containment and Cleaning Up:**

Collect the product for example using a shovel and broom. Avoid raising dust. Wash with plenty of water and contain the spill with absorbent material, earth or sand.

### 7. HANDLING AND STORAGE

**Precautions for Safe Handling:**

Avoid contact with skin and eyes, inhalation of vapours and mists. Do not use empty containers before they have been cleaned. Before transferring product, ensure there are no incompatible material residuals in the containers. Contaminated clothing should be changed before entering eating areas. Do not drink or eat in work areas. Ensure adequate ventilation. Avoid dust generation. Dusts at sufficient concentrations can form explosive mixtures with air. Avoid any accumulation of electrostatic charge which may create a hazardous condition and cause an ignition. Product layer on hot surface might cause auto-ignition. See section 8 for recommended protective equipment.

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**Conditions for Safe Storage, including any Incompatibilities:** Keep in original containers tightly closed in a well-ventilated area far from humidity and heat sources.  
Keep away from food, drink and feed.  
Incompatible materials: strong oxidants  
Adequately ventilate premises.

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Exposure Standards:** ACGIH (2003): Iron soluble salts TLV-TWA 1 ppm, Critical effects: irritation  
ACGIH (2003): recommended value inhalable dust: TLV/TWA: 10 mg/m<sup>3</sup>  
ACGIH (2003): recommended value breathable dust: TLV/TWA: 3 mg/m<sup>3</sup>

**Biological Monitoring:** Not available.

**Control Banding:** Not available.

**Engineering Controls:** Not specified.

**Individual Protection Measures, e.g. Personal Protective Equipment (PPE):**

*Eye and Face Protection:*  
Use close fitting safety goggles according to the standard EN166. Do not use contact lenses.

*Skin Protection:*  
Wear nitrile rubber gloves according to the standard EN374. Use clothing that provides comprehensive protection.

*Respiratory Protection:*  
Use dust mask with P2 filters according to the EN149:2001 if conditions warrant. Respect the occupational exposure limits.

*Thermal Hazards:*  
None identified.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Red-black microgranules
<b>Odour:</b>	Typical
<b>Vapour Pressure (mm Hg):</b>	Not applicable, solid
<b>Apparent Density:</b>	0.7-0.8 kg/dm <sup>3</sup>
<b>Boiling Point:</b>	Not applicable, solid
<b>Freezing/Melting Point:</b>	600°C at 101.3 kPa (OECD102) method EUA.1
<b>Solubility (aqueous solution):</b>	290 g/L at 25°C
<b>Specific Gravity:</b>	Not available
<b>pH:</b>	7.5 (1% at 25°C)
<b>Flash Point:</b>	Not applicable, solid
<b>Solid/gas Flammability</b>	Not highly flammable method EUA.10

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<b>Flammability (explosive) Limits:</b>	Not available
<b>Auto-Ignition Temperature:</b>	367°C at 1013 hPa method EUA.16
<b>Octanol/Water Partition Coefficient:</b>	The substance is more soluble in water than in n-octanol, the log Pow predicted is <0

### 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable under normal conditions of storage and handling
<b>Possibility of Hazardous Reactions:</b>	Product layer on hot surface might cause auto-ignition
<b>Conditions to Avoid:</b>	Avoid heating the product at high temperatures. Avoid dust generation and any accumulation of electrostatic charge. Dusts at sufficient concentrations can form explosive mixtures with air.
<b>Incompatible Materials:</b>	Strong oxidizing agents
<b>Hazardous Decomposition Products:</b>	In case of fire and high temperatures, can develop carbon oxides, nitrogen oxides and sulfur oxides

### 11. TOXICOLOGICAL INFORMATION

<b><u>Toxicological Effects:</u></b>	
<b>Acute Toxicity:</b>	Not available
<b>Skin</b>	Not available
<b>Corrosion/Irritation:</b>	
<b>Serious Eye Damage/Irritation:</b>	Not available
<b>Respiratory or Skin Sensitisation:</b>	Not available
<b>Germ Cell Mutagenicity:</b>	Not available
<b>Carcinogenicity:</b>	Not available
<b>Reproductive Toxicity:</b>	Not available
<b>Specific Target Organ Toxicity (STOT) – Single Exposure:</b>	Not available
<b>Specific Target Organ Toxicity (STOT) – Repeated Exposure:</b>	Not available
<b>Aspiration Hazard:</b>	Not available

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### Possible Routes Of Exposure:

<b>Inhalation:</b>	Possible irritation of respiratory tract.
<b>Skin:</b>	Possible irritation according to the contact time with the product.
<b>Eye:</b>	Possible irritation according to the contact time with the product.
<b>Ingestion:</b>	Possible irritation of mouth and digestive tract.

### 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No data available
<b>Persistence and Degradability:</b>	Inherently biodegradable in water
<b>Bioaccumulative Potential:</b>	The substance has a low bioaccumulation potential (log Pow<0)
<b>Mobility in Soil:</b>	The product is soluble and mobile in both terrestrial and aquatic compartments

### 13. DISPOSAL CONSIDERATIONS

<b>Product Disposal:</b>	Recover if possible. Dispose of in accordance with state, federal and local regulations.
<b>Container Disposal:</b>	Empty containers must be handled according to local regulations.

### 14. TRANSPORT INFORMATION

<b>Classification:</b>	Based on available information, not classified as Dangerous Goods for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail, 7 <sup>th</sup> Edition.
<b>UN Number:</b>	Not applicable
<b>Proper Shipping Name or Technical Name:</b>	Not applicable
<b>Transport Hazard Class:</b>	Not applicable
<b>Packing Group:</b>	Not applicable
<b>Environmental Hazards for Transport Purposes:</b>	Not applicable
<b>Special Precautions for User:</b>	Not applicable
<b>HAZCHEM Code:</b>	Not applicable

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### 15. REGULATORY INFORMATION

<b>SUSMP:</b>	Exempt from Poison Scheduling
<b>APVMA:</b>	Exempt from registration
<b>State Departments of Agriculture / Primary Industries:</b>	Registration not required
<b>Australian Inventory of Chemical Substances (AICS):</b>	All components listed
<b>Toxic Substance – NZ</b>	Exempt

### 16. OTHER INFORMATION

<b>Edition:</b>	Initial edition
<b>Revision Due:</b>	April 2021
<b>Reason for Revision:</b>	Initial version
<b>Preparation Information:</b>	Prepared by Campbells Fertilisers Australasia
<b>Data Sources:</b>	Supplier SDS
<b>Trademark Information:</b>	Aqua-Fert is a Registered Trademark of Campbells Fertilisers Australasia

#### Glossary:

<b>APVMA</b>	Australian Pesticides and Veterinary Medicines Authority
<b>CAS</b>	Chemical Abstract Services number, used to uniquely identify chemical compounds
<b>PPE</b>	Personal protective equipment
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines and Poisons

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 Campbell's Fertilisers, it is the user's responsibility to determine conditions of safe use of the product.

END OF SDS