

# SAFETY DATA SHEET

## Valagro Erger Active

Date of Issue: December 2016

### 1. IDENTIFICATION

**Product Identifier:** Valagro Erger Active

**Other Means of Identification:** None

**Recommended Use of the Chemical and Restrictions on Use:** Fertiliser

**Details of Manufacturer or Importer:** Campbells Fertilisers Australasia  
18 Raymond Road, Laverton North, Victoria, 3026  
Phone: (03) 9931 2211  
Fax: (03) 9931 2201  
[www.campbellsfert.com.au](http://www.campbellsfert.com.au)

**Emergency Telephone Number:** (03) 9931 2211 (business hours only 8.30 am to 5.00 pm)  
0418 350 726 (after business hours)  
Poison Information Centre 13 11 26

### 2. HAZARD(S) IDENTIFICATION



**Signal Word (CLP) :** Danger

**GHS Hazard Class and Category:**

Oxidising Liquid Category 3 ; "Danger"

Hazard statement: 272 May intensify fire: oxidiser.

Acute Toxicity Oral Category 4: "Warning"

Hazard statement: H302 Harmful if swallowed

Eye Damage Category 1: "Danger"

Hazard statement: H318 Causes serious eye damage

**New Zealand HSNO Classification:**

5.1.1C Oxidising substances that are liquids or solids: low hazard

6.1D –Substances that are acutely toxic: Harmful

8.3A – substances that are corrosive to ocular tissue

Precautionary Statements:

**Prevention**

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children

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Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Take any precaution to avoid mixing with combustibles.

Wear protective gloves/safety goggles and face shield.

### Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTRE or doctor/physician

### Storage

No additional information

### Disposal

P501 Dispose of contents/container in accordance with local/regional/national regulations

**ADG** 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

**SUSMP** Not scheduled  
**Classification:**

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Component:	CAS Number:	Proportion (%w/w):
Ammonium nitrate	6484-52-2	30 – 40%
Nitric acid, ammonium calcium salt	15245-12-2	25 – 30 %

## 4. FIRST AID MEASURES

### Description of Necessary First Aid Measures:

**Inhalation:** Remove casualty to fresh air and keep warm and at rest. In case of breathing difficulties administer oxygen. In case of irregular breathing or respiratory arrest provide artificial respiration. Seek medical attention if ill effect or irritation develops.

**Skin Contact:** Remove contaminated clothing immediately and dispose of safely. Wash skin thoroughly with mild soap and water. If skin irritation occurs: Get medical help.

**Eye Contact:** Rinse with plenty of water with the eyelids held open for 10 to 15 minutes holding eyelids apart, then consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. 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.

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**Advice:** No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Remove contaminated clothing using protective gloves.

### Symptoms caused by Exposure:

**Inhalation:** Decomposition products may be a hazard to health.

**Skin Contact:** None known.

**Eye Contact:** Risk of serious eye damage, symptoms may include stinging, tearing, redness, swelling and blurred vision.

**Ingestion:** Harmful if swallowed. May cause burns to mouth, throat and stomach. Abdominal pain, confusion, convulsions, nausea, dizziness.

### Medical Attention and Special Treatment:

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

Treatment: no data available

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Equipment:** Water.  
Do NOT Use carbon dioxide (CO<sub>2</sub>), dry chemical powder or foam.

**Specific Hazards arising from the Chemical:** Do not breath fumes May intensify fire, oxidizer.  
In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

**Special Protective Equipment and Precautions for Fire Fighters:** Use suitable breathing apparatus. Do not inhale explosion and combustion gases. In case of inhalation of decomposition products in a fire, symptoms may be delayed. Promptly isolate the area by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire fighters (including helmets, protective boots and gloves) conforming to the European standard EN469 will provide a basic level of protection for chemical incidents,

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### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions, Protective Equipment and Emergency Procedures:</b>	<p>No action shall be taken involving any personal risk or without suitable training.</p> <p>Do not touch or walk through spilled material; there is a risk of slipping due to leakage/spillage of product.</p> <p>For non-emergency personnel:</p> <ul style="list-style-type: none"> <li>-Wear protective clothes giving total skin protection, gloves and safety glasses</li> <li>-Eliminate all ignition sources; ensure adequate ventilation</li> <li>-Keep people not involved in the emergency intervention away from the affected area.</li> <li>-Alert the internal emergency team</li> </ul> <p>For emergency responders:</p> <ul style="list-style-type: none"> <li>-Wear protective clothes giving total skin protection, nitrile-rubber gloves and safety glasses, appropriate respirator when ventilation is inadequate.</li> <li>-See protective measures in section 8</li> <li>-Eliminate all ignition sources</li> <li>-Move people into a safe place</li> </ul>
<b>Environmental Precautions:</b>	<p>Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Dilute with water and retain contaminated wash water and dispose in authorized facilities or pick up 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: soil, sand or other non-combustible materials.</p>
<b>Methods and Materials for Containment and Cleaning Up:</b>	<p>Wash with plenty of water. Contain the spillage with soil, sand or other non-combustible adsorbing material. Collect the product in clean labeled plastic containers and reuse as fertilizer or dispose in an approved landfill.</p>

### 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling:</b>	<p>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. See section 8 for recommended protective equipment.</p>
<b>Conditions for Safe Storage, including any Incompatibilities:</b>	<p>Keep in original containers tightly closed in a cool well-ventilated area, away from sources of heat, direct sunlight, food, drink and feed and incompatible material.</p> <p>Incompatible materials: oxidizing and reducing agents, combustible materials, acids or bases, sodium or calcium hypochlorite, chrome, zinc, copper and their alloys, chlorides. Keep away from organic materials, oil, grease, grains. Adequately ventilate premises.</p>

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### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Exposure Standards:** No occupational exposure limit available for the mixture.

Ammonium nitrate:

Type	Compartment detail	Value	Workers Consumers	Method details
DNEL	Long term dermal	21.3 mg/kg/bw/day	Workers	Systemic
DNEL	Long term inhalation	37.6 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Long term oral	N.A.	Workers	N.A.
DNEL	Long term dermal	12.8 mg/kg/bw/day	Consumers	N.A.
DNEL	Long term inhalation	37.6 mg/m <sup>3</sup>	Consumers	N.A.
DNEL	Long term oral	12.8 mg/kg/bw/day	Consumers	N.A.
Predicted effect concentrations				
Type	Compartment detail	Value	Method detail	
PNEC	Fresh water	0.45 mg/L	Assessment Factors	
PNEC	Marine water	0.045 mg/L	Assessment Factors	
PNEC	Intermittent release	4.5 mg/L	Assessment Factors	
PNEC	Sewage Treatment Plant	18 mg/L	Assessment Factors	

Nitric acid, ammonium calcium salt:

Type	Compartment detail	Value	Workers Consumers	Method details
DNEL	Long term dermal	13.9 mg/kg/bw/day	Workers	Systemic
DNEL	Long term inhalation	24.5 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Long term dermal	8.33 mg/kg/bw/day	Consumers	Systemic
DNEL	Long term inhalation	6.3 mg/m <sup>3</sup>	Consumers	Systemic
DNEL	Long term oral	8.33 mg/kg/bw/day	Consumers	Systemic
Predicted effect concentrations				
Type	Compartment detail	Value	Method detail	
PNEC	Fresh water	0.45 mg/L	Assessment Factors	
PNEC	Marine water	0.045 mg/L	Assessment Factors	
PNEC	Intermittent release	4.5 mg/L	Assessment Factors	
PNEC	Sewage Treatment Plant	18 mg/L	Assessment Factors	

**Biological Monitoring:** Not available.

**Control Banding:** Not available.

**Engineering Controls:** Not specified.

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<b>Individual Protection Measures e.g. Personal Protective Equipment (PPE):</b>	<p>Please observe the usual precautionary measures for handling of chemicals</p> <p><i>Eye and Face Protection:</i> Use safety glasses with side protection according to EN 166 or equivalent.</p> <p><i>Skin Protection:</i> Use protective gloves that provide comprehensive protection. Suitable materials also with prolonged direct contact according to EN374. (Recommended: Protective index 6, corresponding &gt;480 minutes of permeation time): nitrile rubber – 0.13 mm coating thickness</p> <p>Use clothing that provides comprehensive protection according to EN14605.</p> <p><i>Respiratory Protection:</i> Not needed for normal use.</p>
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### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	characteristic
<b>Vapour Pressure (mm Hg):</b>	Not available
<b>Density:</b>	1.2 – 1.3 kg/l at 20°C
<b>Boiling Point:</b>	>100°C
<b>Freezing/Melting Point:</b>	Not available
<b>Solubility (aqueous solution):</b>	Soluble in water
<b>Specific Gravity:</b>	Not available
<b>pH:</b>	6.1 at 20°C
<b>Boiling point:</b>	> 100°C
<b>Flash Point:</b>	Not available
<b>Flammability (explosive) Limits:</b>	Not applicable
<b>Auto-Ignition Temperature:</b>	Not available
<b>Octanol/Water Partition Coefficient:</b>	Not available

### 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable under normal conditions of storage and handling
<b>Possibility of Hazardous Reactions:</b>	In case of fire and high temperatures, it can develop dangerous decomposition products. May cause or intensify fire; oxidizer..
<b>Conditions to Avoid:</b>	Avoid overheating. Store away from direct sunlight.
<b>Incompatible</b>	Avoid contact with reducing agents, acids, combustible materials, alkalis

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**Materials:** organic materials.

**Hazardous Decomposition Products:** Nitrogen oxides, ammonia, amines, metal oxides..

### 11. TOXICOLOGICAL INFORMATION

Acute toxicity Oral: Harmful if swallowed

**Ammonium nitrate**

LD50 oral rat 2950mg/kg (OECD 401)

LD50 dermal rat >5000 mg/kg bodyweight (OECD 402)

LD50 inhalation rat >88.8 mg/L

**Nitric acid, ammonium calcium salt**

LD50 oral rat 500 mg/kg (OECD 423)

LD50 dermal rat 2000 mg/kg (OECD 402)

**Skin** Not classified

**Corrosion/Irritation:** pH 6.1 @ 20°C

**Serious Eye** Causes serious eye damage

**Damage/Irritation:** pH 6.1 @ 20°C

**Respiratory or Skin** Not classified

**Sensitisation:**

**Germ Cell** Not classified

**Mutagenicity:**

**Carcinogenicity:** Not classified

**Reproductive** Not classified.

**Toxicity:**

**Specific Target Organ** Based on available data, the classification criteria are not met

**Toxicity (STOT) -**

**Single Exposure:**

**Specific Target Organ** Based on available data, the classification criteria are not met

**Toxicity (STOT) -**

**Repeated Exposure:**

**Aspiration Hazard:** Based on available data, the classification criteria are not met

**Likely Routes Of Exposure**

**Inhalation:** No data available

**Skin:** No data available

**Eye:** Causes serious eye irritation.

**Ingestion:** No data available

### 12. ECOLOGICAL INFORMATION

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**Ecotoxicity:** Adopt good working practices so that the product is not released to the environment.

Ammonium nitrate

EC50 Fresh water Daphnia 48 h = 490 mg/L

EC50 72 h algae = 1700 mg/L

Nitric acid, ammonium calcium salt

LC50 Fresh water fish 48 h = 447 mg/L

EC50 Fresh water Daphnia 48 h = 100 mg/L

EC50 Fresh water algae 72 h = 100 mg/L

**Persistence and Degradability:** Ammonium nitrate  
Not relevant for inorganic substances.

Nitric acid, ammonium calcium salt  
Not relevant for inorganic substances.

**Bioaccumulative Potential:** Low bioaccumulation potential.

**Mobility in Soil:** Expected to be highly mobile in soil.

### 13. DISPOSAL CONSIDERATIONS

**Product Disposal:** Generation of waste should be avoided or minimized wherever possible. Recover if possible. In doing so, comply with state, federal and local regulations.

**Container Disposal:** Dispose of according to local regulations. Incineration or landfill should be considered when recycling is not feasible.

### 14. TRANSPORT INFORMATION

**Classification:** Based on available information, product is 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.

**UN Number:** 3218

**Proper Shipping Name or Technical Name:** NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.

**Transport Hazard Class:** 5.1

**Packing Group:** III

**Environmental Hazards for Transport:** Not classified as marine pollutant.



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### Purposes:

**Special Precautions for User:** Not applicable  
**HAZCHEM Code:** 2Y

## 15. REGULATORY INFORMATION

**SUSMP:** Not scheduled  
**APVMA:** Exempt from registration  
**Australian Inventory of Chemical Substances (AICS):** All components listed

## 16. OTHER INFORMATION

**Edition:** Initial edition  
**Revision Due:** December 2021  
**Reason for Revision:** Initial version  
**Preparation Information:** Prepared by Campbells Fertilisers Australasia  
**Data Sources:** Supplier SDS

### Glossary:

**APVMA** Australian Pesticides and Veterinary Medicines Authority  
**CAS** Chemical Abstract Services number, used to uniquely identify chemical compounds  
**PPE** Personal protective equipment  
**SUSMP** 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