
VALAGRO Safety Sheet
Date: April 18, 2018 Rev. 1.0
Product: Ferrilene Trium
Code: 12459
Print Date: 20 April 2018

SAFETY SHEET

FERRILENE TRIUM

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Trade name: FERRILENE TRIUM

Trade code: 12459

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use:

Fertilizer

1.3. Details of the supplier of the safety data sheet

AGRITRADE

411 Blenheim Rd

Sockburn

Christchurch 8140

Ph 03 341 4587

Fax 03 341 4584

Free Phone 0800 333 855

agritrade@nzagritrade.co.nz

1.4. Emergency telephone number:

- AGRITRADE- Tel. 0800 333 855

- NZ POISON CENTRE CONTACT:

111 Police, Ambulance and Fire Brigade (available in New Zealand only)

0800 764 766 (National Poisons Information Centre)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand:

The product is not classified as dangerous

Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200):

The product is not classified as dangerous

EC regulation criteria 1272/2008 (CLP):

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

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SECTION 3: Composition/information on ingredients

- 3.1. Substances
N.A.
- 3.2. Mixtures
Hazardous components related classification:
None

SECTION 4: First aid measures

- 4.1. Description of first aid measures
- In case of skin contact:
Immediately take off all contaminated clothing.
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
Wash thoroughly the body (shower or bath).
Remove contaminated clothing immediately and dispose off safely.
After contact with skin, wash immediately with soap and plenty of water.
- In case of eyes contact:
After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
Protect uninjured eye.
- In case of 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.
- In case of Inhalation:
Remove casualty to fresh air and keep warm and at rest.
- 4.2. Most important symptoms and effects, both acute and delayed:
- Inhalation:
Possible irritation to the respiratory tract
- Skin:
Possible irritation according to the contact time with the product
- Eye:
Possible irritation according to the contact time with the product
- Ingestion:
Possible irritation of mouth and digestive tract.
- 4.3. Indication of any immediate medical attention and special treatment needed
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment:
N.A.

SECTION 5: Firefighting measures

- 5.1. Extinguishing media
Suitable extinguishing media:
Water.
Carbon dioxide (CO₂).
Extinguishing media which must not be used for safety reasons:
None in particular.

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- 5.2. Special hazards arising from the substance or mixture
Do not inhale explosion and combustion gases.
Burning produces heavy smoke containing nitrogen oxides, metal oxides
- 5.3. Advice for firefighters
Wear suitable personal protective equipment and self-contained breathing apparatus.
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.
Protective clothing for firefighters (full protective suit, helmet, gloves, boots) must conform to the standard EN469

SECTION 6: Accidental release measures

- 6.1. 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 a total skin protection, gloves, safety glasses and mask with filter P2
Keep away from the affected area people not involved in the emergency intervention.
Ensure adequate ventilation, move people in a safe place.
Alert the internal emergency team.
 - For emergency responders:
Wear protective clothes giving a total skin protection, rubber gloves, safety glasses and mask with filter P2.
Ensure adequate ventilation, move people in a safe place.
See protective measures under point 7 and 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
- 6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it in landfill approved;
If possible, collect in clean plastic containers labeled and reuse as fertilizer.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, sol, sand.
- 6.3. Methods and material for containment and cleaning up
Collect the product for example using shovel and broom
Avoid raising dust
Wash with plenty of water, contain the spill with absorbent material, earth, sand.
- 6.4. Reference to other sections
See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contaminated clothing should be changed before entering eating areas.

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Do not eat or drink while working.
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 also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original containers tightly closed in a well-ventilated place far from humidity and heat source
Keep away from food, drink and feed.
Incompatible materials:
Oxidants, reducing agents, acids and bases
Instructions as regards storage premises:
Adequately ventilated premises.

7.3. Specific end use(s)

Fertilizer

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ACGIH

ACGIH (2003) : recommended value inhalable dust: TLV/TWA: 10 mg/m³

ACGIH (2003) : recommended value breathable dust: TLV/TWA: 3 mg/m³

8.2. Exposure controls

The personal protective equipment must be compliant to the regulation UNI - EN in force

Eye protection:

Use close fitting safety goggles according to the standard EN 166, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin

Protection for hands:

Wear nitrile rubber gloves according to EN 374.

Respiratory protection:

In case of dust generation, use anti-powder mask with P2 filters according to the EN 149:2001.

The powder exposition limit must be respected

Thermal Hazards:

None identified

Environmental exposure controls:

Prevent the contamination of soil, surface water or groundwater

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance and colour: black microgranules

Odour: typical

pH 1% at 25°C: 7,3

Melting point / freezing point: N.A.

Initial boiling point and boiling range: not applicable, solid

Flash point: not applicable, solid

Evaporation rate: not applicable, solid

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Solid/gas flammability: N.A.
Upper/lower flammability or explosive limits: N.A.
Vapour density: not applicable, solid
Vapour pressure: not applicable, solid
Apparent Density: 0,8 Kg/dm³
Solubility in water: 80 g/l at 20 °C
Partition coefficient (n-octanol/water): N.A.
Auto-ignition temperature: N.A.
Decomposition temperature: N.A.
Viscosity: not applicable, solid
Explosive properties: not applicable, the substance does not have explosive properties
Oxidizing properties: not applicable, the substance does not have oxidizing properties

SECTION 10: Stability and reactivity

- 10.1. Reactivity
Stable under normal conditions
- 10.2. Chemical stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions
N.A.
- 10.4. Conditions to avoid
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
- 10.5. Incompatible materials
Strong oxidizing and reducing agents, acids and bases
- 10.6. Hazardous decomposition products
In case of fire and high temperatures can develop nitrogen oxides, metal oxides

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
Information on likely routes of exposure:
Inhalation:
Possible irritation to the respiratory tract
Skin:
Possible irritation according to the contact time with the product
Eye:
Possible irritation according to the contact time with the product
Ingestion:
Possible irritation of mouth and digestive tract.

SECTION 12: Ecological information

- Adopt good working practices, so that the product is not released into the environment.
- 12.1. Toxicity
The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200)
- 12.2. Persistence and degradability
N.A.

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- 12.3. Bioaccumulative potential
N.A.
- 12.4. Mobility in soil
The product is soluble and mobile in both terrestrial and aquatic compartments
- 12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
- 12.6. Other adverse effects
None

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
Product :Recover if possible. In so doing, comply with the local and national regulations currently in force.
Packaging: Dispose according to regulations.

SECTION 14: Transport information

- 14.1. UN number
Not classified as dangerous in the meaning of transport regulations.
- 14.2. UN proper shipping name
N.A.
- 14.3. Transport hazard class(es)
N.A.
- 14.4. Packing Group
N.A.
- 14.5 Environmental hazards
IMDG-Marine pollutant: No
- 14.6. Special Precautions for User
N.A.
- 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
N.A.

SECTION 15: REGULATORY INFORMATION

New Zealand

- Classification : Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.
- National Chemical Inventories (NZIoC) : All components are listed on the New Zealand Inventory of Chemicals
- HSNO Approval Number (Group Standard) : HSR002571. Fertiliser (Subsidiary Hazard) Group Standard 2006

USA -Regulations

- Hazard Communication Standard (HCS) Haz Com 2012
- OSHA, 29 CFR 1910.1200(g) and Appendix D. United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS), third revised edition, United Nations, 2009. Hazard Communication Standard
- United Nations Recommendations on the Transport of Dangerous Goods.
- OSHA Permissible Exposure Limit
- [29 CFR 1926.55 Appendix A](#)

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American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV)
National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limit (REL)
Chemical Abstracts Service (CAS) Registry Number

EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

SECTION 16: OTHER INFORMATION

This document was prepared by a competent person who has received appropriate training. The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

N.A. no data available

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

WGK: German Water Hazard Class.