
VALAGRO Safety Sheet
Date: June 09, 2020 Rev. 1.0
Product: Kendal Root
Code: 12471
Print Date: 9 June 2020

SAFETY SHEET

Kendal Root

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Mixture identification:

Trade name: Kendal Root

Trade code: 12471

1.2. Relevant identified uses of the substance/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:

Emergency number : 24 Hour Emergency Contact: 0800 CHEMCALL (0800 243622)

NZ POISON CENTRE : 111 Police, Ambulance and Fire Brigade (available in New
CONTACT Zealand only)
0800 764 766 (National Poisons Information Centre)

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to the Hazardous Substances (Classification) Notice 2017 of the HSNO Act, 1996:

The product is classified as non hazardous according to the Hazardous Substances (Classification) Notice 2017 of the HSNO Act, 1996

Classification according to Regulation (EC) No 1272/2008:

The product is not classified as hazardous

2.2. Label elements

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

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No other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

N.A.

3.2. Mixtures

N.A.

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 (shower or bath).

Wash and dry contaminated clothing before reuse.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time.

Get medical attention if irritation persists.

In case of Ingestion:

Never give anything by mouth to an unconscious person

Rinse mouth with water and if the person is conscious give plenty of water to drink .

Do not under any circumstances induce vomiting. Get medical attention.

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

There are no known health effects of the mixture as a whole.

In base on the components present:

Inhalation:

The decomposition products such as gaseous ammonia, if inhaled, may cause a health hazard.

Eyes and skin:

May cause irritation to skin and eyes according to the contact time with the product

Ingestion:

may cause irritation to the gastrointestinal tract

Symptoms:

eyes: burning sensation, pain

Ingestion: nausea, vomiting, diarrhea

skin: redness, irritation

4.3. Indication of any immediate medical attention and special treatment needed

Treatment:

None

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

chemical powder fire extinguishers

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Extinguishing media which must not be used for safety reasons:
None in particular.

- 5.2. Special hazards arising from the substance or mixture
Do not inhale explosion and combustion gases.
Burning produces heavy smoke containing nitrogen oxides (NO_x), ammonia (NH₃).
- 5.3. Advice for fire-fighters
Use suitable 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.

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
Alert the internal emergency team.
Keep away from the affected area people not involved in the emergency intervention.
Ensure adequate ventilation, move people in a safe place.
For emergency responders:
Wear protective clothes giving a total skin protection, gloves, safety glasses
See protective measures under point 7 and 8.
Ensure adequate ventilation, move people in a safe place.
- 6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Dilute with water
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, soil, sand.
Dispose of contaminated material in accordance with section 13
- 6.3. Methods and material for containment and cleaning up
Wash with plenty of water.
Suitable material for taking up: absorbing material, organic, sand
- 6.4. Reference to other sections
See also section 8 and 13

7. HANDLING AND STORAGE

- 7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Do not eat or drink while working.
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:
strong acids and bases, oxidants.
Instructions as regards storage premises:
Adequately ventilated premises.

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7.3. Specific end use(s)
N.A.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

N.A.

8.2. Exposure controls

Eye protection:

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

Protection for skin:

Wear protective clothing.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., nitrile, neoprene or rubber according to EN374.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

N.A.

Environmental exposure controls:

N.A.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance and colour: brown liquid suspension

pH: 6.5

pH 1% (t = 25°C): 6.1.

Density: 1,2 Kg/dm³

10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions of use and storage

10.2. Chemical stability

Stable under normal conditions of use and storage

10.3. Possibility of hazardous reactions

The product can release gaseous ammonia if in contact with alkaline substances such as lime

10.4. Conditions to avoid

Avoid high temperatures

10.5. Incompatible materials

acidic or basic, oxidants.

10.6. Hazardous decomposition products

The product can release gaseous ammonia if in contact with alkaline substances such as lime
Thermal decomposition may produce ammonia (NH₃).

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

The decomposition products such as gaseous ammonia, if inhaled, may cause a health hazard.

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12. ECOLOGICAL INFORMATION

- 12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
 - 12.2. Persistence and degradability
N.A.
 - 12.3. Bioaccumulative potential
N.A.
 - 12.4. Mobility in soil
N.A.
 - 12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
 - 12.6. Other adverse effects
None known
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13. DISPOSAL CONSIDERATIONS

- 13.1. Waste treatment methods
 - Product: Recover if possible. Operate according to local and national laws.
 - Contact local authorities who will provide guidance regarding the disposal of special waste.
 - Packaging: Dispose according to current regulations
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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
 - ADR-Environmental Pollutant: No
 - 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.
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15. REGULATORY INFORMATION

- 15.1.1. EU-Regulations
 - Contains no REACH substances with Annex XVII restrictions
 - Contains no substance on the REACH candidate list
 - Contains no REACH Annex XIV substances

- 15.1.2. National regulations

New Zealand

Classification : Classified as non-hazardous according to HSNO Act 1996; Hazardous Substances (Classification) Notice 2017.

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National Chemical
Inventory (NZIoC)

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 MSDS 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.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
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.