
VALAGRO Safety Sheet
Date: March 18, 2019 Rev. 1.0
Product: Kendal
Code: 12532
Print Date: 18 March 2019

SAFETY SHEET

Kendal

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

- 1.1. Product identifier
Mixture identification:
Trade name: Kendal
Trade code: 12532
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
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:
24 Hour Emergency Contact: 0800 CHEMCALL (0800 243622)
- 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).

- 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 and related classification:
None

SECTION 4: First aid measures

- 4.1. Description of first aid measures
 - In case of skin contact:
Wash with plenty of water and soap.
 - In case of eyes contact:
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - In case of Ingestion:
Do not under any circumstances induce vomiting. 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:
The inhalation of the product is unlikely under normal working conditions;
 - 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
- 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:
In case of incident seek medical advice showing the safety data sheet

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.
- 5.2. Special hazards arising from the substance or mixture
 - Do not inhale explosion and combustion gases.
 - Burning produces heavy smoke containing carbon oxides (CO_x), nitrogen oxides (NO_x).
- 5.3. Advice for firefighters
 - 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.

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures

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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 and safety glasses.
Keep away from the affected area people not involved in the emergency intervention.
Ensure adequate ventilation.
Alert the internal emergency team.

For emergency responders:

Wear protective clothes giving a total skin protection, gloves and safety glasses.
See protective measures under point 7 and 8.
Remove people to safety.

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 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 seepage into waterways, soil or sewage system inform authorities responsible.
Material suitable for collecting: absorbent material, soil, sand
Collect the product absorbed for example using shovel and broom
In case of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.
Collect the product absorbed for example using shovel and broom

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.
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 away from food, drink and feed.
Incompatible materials:
Bases, oxidizing and reducing agents
Instructions as regards storage premises:
Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

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

Eye protection:

Wear safety glasses according to the standard EN 166, don't use contact lenses..

Protection for skin:

Use clothing that provides comprehensive protection to the skin

Protection for hands:

Wear PVC (polyvinyl chloride) gloves according to the standard EN 374

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

Thermal decomposition may produce carbon oxides (COx), nitrogen oxides (NOx)

Environmental exposure controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance and colour:	brown liquid
Odour:	N.A.
Odour threshold:	N.A.
pH:	6,7
Melting point / freezing point:	N.A.
Initial boiling point and boiling range:	> 100°C
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	N.A.
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Density:	1,2 Kg/dm ³ at 20°C
Solubility in water:	soluble
Solubility in oil:	N.A.
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	N.A.
Decomposition temperature:	N.A.
Viscosity:	N.A.
Explosive properties:	N.A.
Oxidizing properties:	N.A.

9.2. Other information

Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of handling and storage.

10.2. Chemical stability

Stable under normal conditions of handling and storage.

10.3. Possibility of hazardous reactions

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- The contact with alkaline substances can release ammonia.
- 10.4. Conditions to avoid
Avoid high temperatures
 - 10.5. Incompatible materials
Bases, oxidizing and reducing agents
 - 10.6. Hazardous decomposition products
At high temperatures and in case of fire, carbon oxides (CO_x), nitrogen oxides (NO_x).

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
Toxicological information of the mixture:
Inhalation:
The inhalation of the product is unlikely under normal working conditions;
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

SECTION 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
The product contains biodegradable organic substance
- 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 known

SECTION 13: Disposal considerations

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

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- 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](#)
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

SECTION 16: Other information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

- ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
- SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold
- CCNL - Appendix 1

Insert further consulted bibliography

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.

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

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

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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.
N.A.:	No data available