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: 2532

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
1 Robin Mann Place
Christchurch Airport
Christchurch 8053
New Zealand
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 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 (Classification) Notice 2020, New Zealand:

The product is not classified as hazardous

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

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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:

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.

Bsed on the components present:

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 (COx), nitrogen oxides (NOx).

5.3. Advice for firefighters

Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains. If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.
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

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 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 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 containers, label 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, contain the spill with absorbent material.
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, inhaltion of vapours and mists.
Don't use empty containers before they have been cleaned.
Before making transfer operations, ensure that there aren't any incompatible material residues in the containers.
Contamined 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:
Acids, 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 WES or BEI set as at 12th Edition of Workplace exposure standards (Nov 2020)

DNEL Exposure Limit Values
N.A.

PNEC Exposure Limit Values
N.A.

8.2. Exposure controls
Appropriate engineering controls:
No specific requirements.

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 nitrile 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

Physical state	liquid
Colour	brown
Odour	Characteristic
Odour threshold	No data available
pH	6.7 (t = 20°C)
Relative evaporation rate (butylacetate=1)	No data available
Melting point	No data available
Freezing point	No data available

Boiling point	No data available
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	No data available No data available
Vapour pressure	No data available
Vapour pressure at 50 °C	No data available
Relative vapour density at 20 °C	No data available
Relative density	No data available
Density	1.22 kg/l
Solubility	Soluble
Log Pow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available

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
Contact with alkaline substances can release ammonia.
10.4. Conditions to avoid
Avoid high temperatures
10.5. Incompatible materials

Acids, bases, oxidizing and reducing agents

10.6. Hazardous decomposition products

At high temperatures and in case of fire, carbon oxides (COx), nitrogen oxides (NOx)

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

Acute toxicity	:	Not classified
Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Not classified
Respiratory or skin sensitisation	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
STOT-single exposure	:	Not classified
STOT-repeated exposure	:	Not classified
Aspiration hazard	:	Not classified

SECTION 12: Ecological information

12.1. Toxicity

No information available

12.2. Persistence and degradability

The product contains biodegradable organic substance

12.3. Bioaccumulative potential

No data available

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 regulations.
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-Enviromental 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.

SECTION 15: Regulatory information

New Zealand

Classification : Classified as non-hazardous according to Hazardous Substances (Classification) Notice 2020, New Zealand

ACVM ACT 1997 : Exempt from registration under the Agricultural Compounds and Veterinary Medicines Act 1997

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 lis

SECTION 16: Other information

Issue date: September 1, 2021
This document is outside the scope of article 31 of REACH
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).
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