

---

VALAGRO Safety Sheet  
Date: April 17, 2018 Rev. 3.1  
Product: Kendal Nem  
Code: 12471  
Print Date: 20 April 2018

---

## **SAFETY SHEET**

### **Kendal Nem**

---

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

1.1. Product Identifier

Mixture identification:

Trade name: Kendal Nem  
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](mailto: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)

---

#### **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 Regulation (EC) No 1272/2008:

The product is not classified as dangerous

2.2. Label elements

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

---

VALAGRO Safety Sheet  
Date: April 17, 2018 Rev. 3.1  
Product: Kendal Nem  
Code: 12471  
Print Date: 20 April 2018

---

---

### 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:

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

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 (CO<sub>2</sub>).

chemical powder fire extinguishers

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<sub>x</sub>), ammonia (NH<sub>3</sub>).

#### 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.

---

VALAGRO Safety Sheet  
Date: April 17, 2018 Rev. 3.1  
Product: Kendal Nem  
Code: 12471  
Print Date: 20 April 2018

---

---

## 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, latex 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.
  - 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, organic, sand
- 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.
- 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.

---

VALAGRO Safety Sheet  
Date: April 17, 2018 Rev. 3.1  
Product: Kendal Nem  
Code: 12471  
Print Date: 20 April 2018

---

Protection for hands:  
Use protective gloves that provides comprehensive protection, e.g. P.V.C., 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
Odour:	N.A.
Odour threshold:	N.A.
pH:	6.5
pH 1% (t = 25°C):	6.1.
Melting point / freezing point:	N.A.
Initial boiling point and boiling range:	N.A.
Solid/gas flammability:	Not applicable
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 <sup>3</sup>
Solubility in water:	N.A.
Lipid solubility:	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.

---

## 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



---

VALAGRO Safety Sheet  
Date: April 17, 2018 Rev. 3.1  
Product: Kendal Nem  
Code: 12471  
Print Date: 20 April 2018

---

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 nitrogen oxides (NO<sub>x</sub>), ammonia (NH<sub>3</sub>).

---

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

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

Symptoms:

eyes: burning sensation, pain

Ingestion: nausea, vomiting, diarrhea

skin: redness, irritation

---

## 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

---

## 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

---

## 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.

---

VALAGRO Safety Sheet  
Date: April 17, 2018 Rev. 3.1  
Product: Kendal Nem  
Code: 12471  
Print Date: 20 April 2018

---

- 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.

---

## 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:  
Not classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.  
HSNO Approval Number (Group Standard): No Group Standard (not applicable).

---

## 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.

VALAGRO Safety Sheet

Date: April 17, 2018 Rev. 3.1

Product: Kendal Nem

Code: 12471

Print Date: 20 April 2018

---

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.