

VALAGRO Safety Sheet  
Date: 26 July 2016 Rev. 3.0  
Product: Master 3-11-38+4  
Code: 12273  
Print Date: 26 July 2016

## **SAFETY DATA SHEET**

### **Master 3-11-38+4**

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

1.1. Product identifier

Mixture identification:

Trade name: Master 3-11-38+4

Trade code: 12273

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

Valagro Pacific Limited

727 Heretaunga Street West, St. Leonards

Hastings, 4120

New Zealand

T (+64) 6 281 2137 - F (+64) 6 281 2141

[enquiries@valagropacific.co.nz](mailto:enquiries@valagropacific.co.nz)

[regulatory@valagro.com](mailto:regulatory@valagro.com)

1.4. Emergency telephone number

Emergency number : Valagro Pacific Limited – Telephone (06) 6 281 2137 (Monday to Friday 8:30-17:00)  
111 Police, Ambulance and Fire Brigade (available in New Zealand only)

NZ POISON CENTRE CONTACT : 0800 764 766 (National Poisons Information Centre\_24 hours)

#### **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 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

#### **SECTION 3: Composition/information on ingredients**

---

VALAGRO Safety Sheet  
Date: 26 July 2016 Rev. 3.0  
Product: Master 3-11-38+4  
Code: 12273  
Print Date: 26 July 2016

---

- 3.1. Substances  
N.A.
- 3.2. Mixtures  
N.A.

---

#### **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:  
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 of 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
  - Treatment:  
N.A.

---

#### **SECTION 5: Firefighting measures**

- 5.1. Extinguishing media
  - Suitable extinguishing media:  
Water.  
Carbon dioxide (CO<sub>2</sub>).
  - 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 smoke containing nitrogen oxides, phosphorus oxides, sulphur oxides.
  - Can cause the ignition of combustible substances even in the absence of air.
- 5.3. Advice for firefighters
  - Use suitable breathing apparatus.
  - Avoid dust generation
  - 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**

---

VALAGRO Safety Sheet  
Date: 26 July 2016 Rev. 3.0  
Product: Master 3-11-38+4  
Code: 12273  
Print Date: 26 July 2016

---

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 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, PVC 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: inert absorbent material, sand  
Avoid organic materials and combustible substances (such as sawdust)

6.3. Methods and material for containment and cleaning up

Wash with plenty of water. Contain leaks with inert absorbent material

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.  
Avoid dust generation and Keep away from sources of ignition  
Avoid contamination from any source of metals, dust and organic materials  
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, heat and ignition sources. Avoid exposure to direct sunlight  
Keep away from food, drink and feed and from combustible materials.  
Incompatible materials:

Oxidizing and reducing agents, acids, bases, combustible materials

Instructions as regards storage premises:

Adequately ventilated, cool and dry 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.

General exposure limit for dust:

ACGIH : recommended value inhalable dust: TLV/TWA: 10 mg/m<sup>3</sup>

ACGIH : recommended value breathable dust: TLV/TWA: 3 mg/m<sup>3</sup>

DNEL Exposure Limit Values

N.A.

VALAGRO Safety Sheet  
Date: 26 July 2016 Rev. 3.0  
Product: Master 3-11-38+4  
Code: 12273  
Print Date: 26 July 2016

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Please observe the usual precautionary measures for handling of chemicals.

Eye protection:

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

Protection for skin:

Wear protective clothing according to the standard EN 14605.

Protection for hands:

gloves in PVC (polyvinyl chloride) according to the EN 374.

Respiratory protection:

Not needed for normal use. Use anti-powder mask with filters in case of dust generation.

Thermal Hazards:

None Known

Environmental exposure controls:

None

---

## SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance and colour:	white crystals
Odour:	N.A.
Odour threshold:	N.A.
pH 1% (water):	3.4 at 20°C
Melting point / freezing point:	N.A.
Initial boiling point and boiling range:	N.A.
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.
Apparent density:	1.4 Kg/dm <sup>3</sup>
Solubility in water:	100 g/l at 20°C
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(1‰):	N.A.
Substance Groups relevant properties	N.A.

---

## SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use and storage

10.2. Chemical stability

---

VALAGRO Safety Sheet  
Date: 26 July 2016 Rev. 3.0  
Product: Master 3-11-38+4  
Code: 12273  
Print Date: 26 July 2016

---

- Stable under normal conditions of use and storage
- 10.3. Possibility of hazardous reactions  
At high temperatures, which induce thermal decomposition, the product may release hazardous gases
- 10.4. Conditions to avoid  
Stable under normal conditions.  
Avoid high temperatures that induce thermal decomposition  
Avoid dust generation. Dusts at sufficient concentrations can form explosive mixtures with air  
Avoid any accumulation of electrostatic charge  
The product can cause the ignition of combustible substances even in the absence of air.
- 10.5. Incompatible materials  
Oxidizing and reducing agents, acids, bases, combustible materials
- 10.6. Hazardous decomposition products  
In case of fire and high temperatures can develop nitrogen oxides, phosphorus oxides, sulphur oxides

---

## **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

#### Toxicological information of the mixture:

In case of ingestion of large amounts, NO<sub>3</sub>-ions contained in the product can oxidize the iron atoms in hemoglobin making it unable to carry oxygen effectively to the tissues (methemoglobinemia)

#### Toxicological information of the main substances found in the mixture:

N.A.

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

#### Possible symptoms that may occur

##### Information on different types of exposure:

- Inhalation: Dust may irritate the respiratory tract. Possible symptoms: shortness of breath, sore throat.
  - Eye contact and skin: Prolonged contact may cause irritation and itching, direct contact with eyes may cause irritation
  - Ingestion of large amounts may cause nausea, vomiting, diarrhea
- The phosphate present in the product can bind calcium to calcium phosphate and can cause calcium deposits in the kidneys  
Persons with renal failure, can be more susceptible to the effects of this substance

---

VALAGRO Safety Sheet  
Date: 26 July 2016 Rev. 3.0  
Product: Master 3-11-38+4  
Code: 12273  
Print Date: 26 July 2016

---

---

## **SECTION 12: Ecological information**

- 12.1. Toxicity  
Adopt good working practices, so that the product is not released into the environment.  
The product contain nitrates and phosphates; Environmental releases can causes serious adverse effects on the environment ,as nitrate pollution of surface water layers and internal eutrophication in surface waters
- 12.2. Persistence and degradability  
N.A.
- 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. In so doing, comply with the local and national regulations currently in force.  
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 MARPOL73/78 and the IBC Code  
N.A.

---

## **SECTION 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

VALAGRO Safety Sheet  
Date: 26 July 2016 Rev. 3.0  
Product: Master 3-11-38+4  
Code: 12273  
Print Date: 26 July 2016

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).

### 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 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.
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.