

VALAGRO Safety Sheet
Date: December 6, 2021 Rev. 1.0
Product: MC SET
Code: 2254
Print Date: December 6, 2021

SAFETY SHEET

MC SET

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

1.1. Product identifier

Mixture identification:

Trade name: MC SET

Trade code: 2254

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

Produced and packed by:

VALAGRO Spa

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Competent person responsible for the safety data sheet:

regulatory@valagro.com

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

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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.
 - In base on the components present:
 - Inhalation:
 - The decomposition products such as gaseous ammonia, if inhaled, may cause a health hazard.
 - Ingestion:
 - May cause irritation to mouth, throat and stomach.
 - Possible symptoms: abdominal pain.
 - Eye contact:
 - May cause eye irritation
 - Possible symptoms: pain, redness, tearing
 - Skin contact:
 - May cause skin irritation
 - Possible symptoms: pain, redness.
- 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:
 - None

SECTION 5: Firefighting measures

- Suitable extinguishing media:
 - Water.

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Carbon dioxide (CO₂).

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces smoke containing boron oxide, carbon oxides and nitrogen oxides, Zinc oxide.

Hazardous combustion products:

Boron oxide, carbon oxides and nitrogen oxides, Zinc oxide

Explosive properties: N.A.

Oxidizing properties: N.A.

Special protective equipment and precautions 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.

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.

6.3. Methods and material for containment and cleaning up

Wash with plenty of water, contain the spill with absorbent material.

Material suitable for collecting: absorbent material, soil, sand

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

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not use on extensive surface areas in premises where there are occupants.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Keep in original containers tightly closed in a well-ventilated place far from humidity and heat source

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Keep away from food, drink and feed.

Incompatible materials:

Acid, bases, oxidizing and reducing substances

Instructions as regards storage premises:

Adequately ventilated premises.

Storage temperature:

Store at ambient temperature.

SECTION 8: Exposure controls/personal protection

Control parameters

No WES or BEI set as at 12th Edition of Workplace exposure standards (Nov 2020)

Appropriate engineering controls:

None

Individual protection measures

Eye protection:

Eye glasses with side protection.

Protection for skin:

Chemical protection clothing.

Protection for hands:

Gloves with long cuffs.

Suitable material:

nitrile

Respiratory protection:

Not needed for normal use

Thermal Hazards:

Thermal decomposition may produce boron oxide, carbon oxides and nitrogen oxides, Zin oxide

SECTION 9: Physical and chemical properties

Appearance and colour: liquid black

Odour: characteristic

Odour threshold: no data available

pH: 8.0

Melting point / freezing point: no data available

Initial boiling point and boiling range: no data available

Solid/gas flammability: no data available

Upper/lower flammability or explosive limits: no data available.

Vapour density: no data available

Flash point: no data available

Evaporation rate: no data available

Vapour pressure: no data available

Relative density: 1.2 Kg/dm³

Solubility in water: soluble

Solubility in oil: no data available

Partition coefficient (n-octanol/water): no data available

Auto-ignition temperature: no data available

Decomposition temperature: no data available

Viscosity: no data available

Miscibility: no data available

Fat Solubility: no data available

Conductivity: no data available

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Substance Groups relevant properties no data available
Particle characteristics: Not applicable

SECTION 10: Stability and reactivity

Reactivity

Stable under normal conditions of use and storage

Chemical stability

Stable under normal conditions of use and storage

Possibility of hazardous reactions

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

Conditions to avoid

Avoid heating the product at high temperatures

Incompatible materials

Acid, bases, oxidizing and reducing substances

Hazardous decomposition products

Thermal decomposition may produce boron oxide, carbon oxides and nitrogen oxides, Zin oxide

SECTION 11: Toxicological information

1.1. 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

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

N.A.

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

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Other adverse effects
None

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 regulations.

SECTION 14: Transport information

UN number

Not classified as dangerous in the meaning of transport regulations.

UN proper shipping name

N.A.

Transport hazard class(es)

N.A.

Packing group

N.A.

Environmental hazards

ADR-Enviromental Pollutant: No

IMDG-Marine pollutant: No

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

N.A.

Special precautions

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

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EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list

SECTION 16: Other information

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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. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet 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.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
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.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
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.
TWA:	Time-weighted average
N.A.:	No data available.