
VALAGRO Safety Sheet
Date: February, 15 2018 Rev. 1.0
Product: MC SET
Code: 12254
Print Date: February 15, 2018

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: 12254

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

Company:

VALAGRO Spa

Via Cagliari, 1 Zona Industriale

66041 Atessa (CH) ITALY

Tel. (+39) 08728811 Fax (+39) 0872881382

www.valagro.com

Competent person responsible for the safety data sheet:

regulatory@valagro.com

1.4. Emergency telephone number

VALAGRO SPA - Telephone (+39) 0872 8811; Telefax number. (+39) 0872 881382 (Monday to Friday from 8:30 to 13:00 and 14:00 to 17:30)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200):

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

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of OSHA Hazard Communication Standard (29 CFR 1910.1200) and CLP regulation and related classification:

None

VALAGRO Safety Sheet
Date: February, 15 2018 Rev. 1.0
Product: MC SET
Code: 12254
Print Date: February 15, 2018

SECTION 4: First aid measures

Description of necessary 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.

Most important symptoms/effects, 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

Indication of immediate medical attention and special treatment needed

Treatment:

In case of incident seek medical advice showing the safety data sheet

SECTION 5: Firefighting measures

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Do not inhale explosion and combustion gases.

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

Hazardous combustion products:

boron oxide, carbon oxides and nitrogen oxides, Zin 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

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.

VALAGRO Safety Sheet

Date: February, 15 2018 Rev. 1.0

Product: MC SET

Code: 12254

Print Date: February 15, 2018

Ensure adequate ventilation.

Alert the internal emergency team.

For emergency responders:

Wear protective clothes giving a total skin protection, latex gloves and safety glasses.

See protective measures under point 7 and 8.

Remove people to safety.

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, sol, sand.

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

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 occupational exposure limit available

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, Zinc oxide

VALAGRO Safety Sheet
Date: February, 15 2018 Rev. 1.0
Product: MC SET
Code: 12254
Print Date: February 15, 2018

SECTION 9: Physical and chemical properties

Appearance and colour:	liquid black
Odour:	characteristic
Odour threshold:	N.A.
pH:	8.0
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. ° F
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	1.2 Kg/dm ³
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.
Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.

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

Information on toxicological effects	
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

VALAGRO Safety Sheet
Date: February, 15 2018 Rev. 1.0
Product: MC SET
Code: 12254
Print Date: February 15, 2018

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.

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

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

VALAGRO Safety Sheet
Date: February, 15 2018 Rev. 1.0
Product: MC SET
Code: 12254
Print Date: February 15, 2018

SECTION 16: Other information

Safety Data Sheet dated February, 15 2018 version 1

Disclaimer:

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.