
VALAGRO Safety Sheet
Date: May 31, 2018 Rev. 1.0
Product: Master Supreme Starter
Code: 12535
Print Date: May 31, 2018

SAFETY SHEET

Master Supreme Starter

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

- 1.1. Product identifier
Mixture identification:
Trade name: Master Supreme Starter
Trade code: 12535
- 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:
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- Competent person responsible for the safety data sheet:
regulatory@valagro.com
- 1.4. Emergency telephone number:
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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
Classification according to EC regulation criteria 1272/2008 (CLP):
The product is not classified as dangerous
- 2.2. Label elements
Symbols:
None
Hazard statements:
None
Precautionary statements:
None
Special Provisions:
None
- 2.3. Other hazards
vPvB Substances: None - PBT Substances: None
Other Hazards:

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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.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

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 with plenty of water and soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Treatment:

N.A.

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.

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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.

The product itself is not combustible but it can support the combustion of combustible materials even in the absence of air.

5.3. Advice for firefighters

Use suitable breathing apparatus, protective clothing, eye protection and gloves resistant to chemicals according to EN469 and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training.

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

Avoid raising dust

Pick up the product in clean plastic labeled containers and reuse as fertilizer or dispose in authorized facilities

Collect the product for example using shovel and broom

Wash with plenty of water.

Material suitable for collecting: inert and non-combustible 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

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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, metal powder.

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/m³

ACGIH : recommended value breathable dust: TLV/TWA: 3 mg/m³

8.2. Exposure controls

Please observe the usual precautionary measures for handling of chemicals.

The personal protective equipment must be compliant to the regulation UNI –EN in force

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. In case of dust generation, use anti-powder mask with P2 filters according to the EN 149:2001.

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: red powder/crystals

Odour: Characteristic

Odour threshold: N.A.

pH 1% (water): 5.9 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.

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Flash point:	N.A.
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Apparent density:	1.0 Kg/dm ³
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

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

The product may intensify fire;

The product itself is not combustible but it can support the combustion of combustible materials even in the absence of air.

10.4. Conditions to avoid

Avoid high temperatures that induce thermal decomposition

Avoid dust generation.

10.5. Incompatible materials

Oxidizing and reducing agents, acids, bases, combustible materials, metal powder

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, NO₃-ions contained in the product can oxidize the iron atoms in hemoglobin making it unable to carry oxygen effectively to the tissues (methemoglobinemia)

SECTION 12: Ecological information

12.1. Toxicity

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

The product contains nitrates and phosphates; Environmental releases can cause serious

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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-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.

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

Regulation (EC) n. 1907/2006 (REACH)

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Regulation (EC) n. 1272/2008 (CLP)

SECTION 16: Other information

This document is outside the scope of Article 31 of REACH

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.