
VALAGRO Safety Sheet
Date: 16 October 2015 Rev. 1.0
Product: Glimo
Code: 12470
Print Date: 16 October 2015

SAFETY SHEET

Glimo

SECTION 1: IDENTIFICATION

- 1.1. Product Identifier used on the label
Trade name: Glimo
- 1.2. Other means of identification
Trade code: 12470
- 1.3. Recommended use of the chemical and restrictions on use:
Fertilizer
- 1.4. Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:
Produced and packed by:
VALAGRO Spa
Via Cagliari, 1 Zona Industriale
66041 Atessa (CH) ITALY
Tel. (+39) 08728811 Fax (+39) 0872881382
www.valagro.com

Distributed and guaranteed by:
Valagro USA Inc.
19500 Hwy 249, suite 245 - Houston TX 77070
Tel (281) 664 8700 - Fax (281) 664 8701

Competent person responsible for the safety data sheet:
regulatory@valagro.com
- 1.4. Emergency phone number
Valagro USA Inc
Tel (281) 664 8700 - Fax (281) 664 8701

SECTION 2: HAZARD(S) 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

Mixtures
Hazardous components within the meaning of OSHA Hazard Communication Standard (29 CFR 1910.1200) and CLP regulation and related classification: None

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SECTION 4: FIRST AID MEASURES

4.1. Description of necessary 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 the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

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/effects, acute and delayed:

No data available for the mixture

Possible symptoms that may occur:

Inhalation:

Possible irritation to the 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 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:

No data available

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Suitable (and unsuitable) extinguishing media.

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces smoke containing carbon oxides, nitrogen oxides, metal oxides

5.3. Special protective equipment and precautions for fire-fighters.

Use suitable breathing apparatus, protective clothing, eye protection and gloves resistant to chemicals according to EN469

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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
Wear protective clothes giving a total skin protection, nitrile gloves and safety glasses.
See protective measures under point 7 and 8.
Ensure adequate ventilation, move people in a safe place.
Avoid dust generation
Avoid any accumulation of electrostatic charge which may create a hazardous condition and cause an ignition.
- 6.2. Methods and material for containment and cleaning up
Collect the product for example using shovel and broom
Avoid raising dust
Wash with plenty of water and adsorb with organic material or sand collect the product absorbed for example using shovel and broom
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 gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

SECTION 7: HANDLING AND STORAGE

- 7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contaminated clothing should be changed before entering eating areas.
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 the original package in a cool well-ventilated place, away from sources of heat
Keep away from food, drink and feed.
Incompatible materials:
Bases, acids, oxidizing and reducing agents.
Instructions as regards storage premises:
Adequately ventilated premises.
Avoid dust generation.
Dusts at sufficient concentrations can form explosive mixtures with air
Avoid any accumulation of electrostatic charge which may create a hazardous condition and cause an ignition.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1. Exposure limit values:
N.A.
- 8.2. Appropriate engineering controls.
It is recommended that the workers wear appropriate gloves, protective glasses and use a anti-

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powder mask

- 8.3. Individual protection measures, such as personal protective equipment:
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:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. nitrile, P.V.C., neoprene or rubber according to EN 374

Respiratory protection:

In case of dust generation, use anti-powder mask with P2 (FFP2) filters according to the EN 149:2001

The powder exposition limit must be respected.

Thermal Hazards:

None Known

Environmental exposure controls:

None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|----------------------------|
| Appearance: | Brown microgranules |
| Odour: | typical |
| Odour threshold: | N.A. |
| pH 1% water solution at 68°F: | 6.8 |
| Melting point / freezing point: | N.A. |
| Initial boiling point and boiling range: | not applicable, solid |
| Flash point: | N.A. |
| Evaporation rate: | not applicable, solid |
| Flammability (Solid/gas): | N.A. |
| Upper/lower flammability or explosive limits: | N.A. |
| Vapour pressure: | not applicable, solid |
| Vapour density: | not applicable, solid |
| Apparent density: | 0.7-0.8 Kg/dm ³ |
| Solubility in water: | 300 g/l at 68°F |
| Lipid solubility: | N.A. |
| Partition coefficient (n-octanol/water): | N.A. |
| Auto-ignition temperature: | N.A. |
| Decomposition temperature: | N.A. |
| Viscosity: | N.A. |

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity
Stable under normal conditions
- 10.2. Chemical stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions

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N.A.

10.4. Conditions to avoid

Avoid high temperatures.

10.5. Incompatible materials

Acids, bases, oxidizing and reducing agents

10.6. Hazardous decomposition products

In case of fire and high temperatures can develop carbon oxides (CO_x), nitrogen oxides (NO_x), metal oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No data available for the mixture

Possible symptoms that may occur:

Inhalation:

Possible irritation to the 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.

SECTION 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

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:

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

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

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- 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

SECTION 16: OTHER INFORMATION , INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of preparation of the SDS: revision 1.0, date October 16, 2015.
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 SDS 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.

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| 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. |