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VALAGRO SDS

Date: 26 June 2015 Rev. 3.0

Product: 11044

Code: Brexil Mg

Print Date: 26 June 2015

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## SAFETY DATA SHEET

### Brexil Mg

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#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Mixture identification:

Trade name: Brexil Mg

Trade code: 11044

1.2. Relevant identified uses of the substance/mixture and uses advised against  
Fertilizer

1.3. Details of the supplier of the safety data sheet

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](mailto:regulatory@valagro.com)

1.4. Emergency telephone number

Valagro USA Inc

Tel (281) 664 8700 - Fax (281) 664 8701

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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 Regulation (EC) No 1272/2008:

The product is not classified as dangerous

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

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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

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

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**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 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 and effects, both acute and delayed

No data available for the mixture

Possible symptoms that may occur:

Inhalation: may cause irritation to the respiratory tract

Symptoms: cough, shortness of breath

Ingestion:

The product dissolved in water or in presence of moisture, cause an acid reaction and if swallowed can cause irritation and burns of the mouth, throat and digestive tract.

Symptoms: vomiting, abdominal pain, gastrointestinal disorders

Contact with skin:

May cause irritation to the skin

Symptoms: redness, itching, pain.

Contact with eyes:

May cause eye irritation

Symptoms include pain and redness

4.3. Indication of immediate medical attention and special treatment needed:

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

Treatment:

No data available

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## **SECTION 5. FIRE-FIGHTING 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 carbon oxides, nitrogen oxides, sulfur oxides

### 5.3. Advice 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.

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## **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:

Wear protective clothes giving a total skin protection, PVC 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.

Ensure adequate ventilation, move people in a safe place.

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

Suitable material for taking up: absorbing material, organic, sand

### 6.3. 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

### 6.4. Reference to other sections

See also section 8 and 13

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## **SECTION 7: HANDLING AND STORAGE**

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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, oxidizing and reducing agents.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

Fertilizer

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

8.1. Control parameters

No data available for the mixture.

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:

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. P.V.C., neoprene or rubber according to EN 374

Respiratory protection:

In case of dust formation 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

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1. Information on basic physical and chemical properties

Appearance and colour: Brown microgranules

Odour: N.A.

Odour threshold: N.A.

pH: 3,4

Melting point / freezing point: N.A.

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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: 0.6 g/cm<sup>3</sup>  
Solubility in water: 300 g/l at 20 °C  
Lipid solubility: 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: N.A.  
Substance Groups relevant properties: N.A.

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**SECTION 10: STABILITY AND REACTIVITY**

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions of storage and use

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

Avoid high temperatures

10.5. Incompatible materials

Bases, oxidizing and reducing agents.

10.6. Hazardous decomposition products

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

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**SECTION 11: TOXICOLOGICAL INFORMATION**

11.1. Information on toxicological effects

Toxicological information of the mixture: N.A.

Possible symptoms that may occur:

Inhalation: may cause irritation to the respiratory tract

Symptoms: cough, shortness of breath

Ingestion:

The product dissolved in water or in presence of moisture, cause an acid reaction and if swallowed can cause irritation and burns of the mouth, throat and digestive tract.

Symptoms: vomiting, abdominal pain, gastrointestinal disorders

Contact with skin:

May cause irritation to the skin

Symptoms: redness, itching, pain.

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Contact with eyes:  
May cause eye irritation  
Symptoms include pain and redness

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## **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:  
No data available for the mixture;  
The mixture contain Lignisulfonato ammonium that is a natural product biodegradable
- 12.3. Bioaccumulative potential  
The product does not contain any bioaccumulative substances
- 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

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## **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.  
Packaging: Dispose according to regulations.

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## **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  
IMDG-Marine pollutant: No
- 14.6. Special Precautions for User  
N.A.
- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  
N.A.

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## **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](#)

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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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**SECTION 16: OTHER INFORMATION**

Date of preparation of the SDS: revision 3.0, date 26 June 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.
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.