



Material Safety Data Sheet

According to EC Regulation 1907/2006

Print date: 27-Jun-2011***

Revision Number: 4***

Revision date: 27-Jun-2011***

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Identification of the substance or preparation

MSDS Ref. No.: 5004.03.01
 Product name: Agroblen® 20+10+10+4MgO
 Synonyms: Agroblen 20+4.4+8.3+2.4Mg

Use of the Substance/Preparation

Recommended use: Granulated fertilizer

Company/Undertaking Identification

• Everris International BV
 Nijverheidsweg 1-5; 6422 PD Heerlen (NL)
 Tel: ++31 (0) 45-5609100; Fax: ++31 (0) 45-5609190

Emergency telephone number: • +44 1235 239 670 (24h)***

Email: INFO-MSDS@EVERRIS.com

2. HAZARDS IDENTIFICATION

Classification

The product is non-dangerous in accordance with Directive 1999/45/EC

Most important hazards

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation

Components	CAS-No	Weight %	EC-No.	Classification
Calcium sulphate dihydrate, CaSO ₄ +2H ₂ O	10101-41-4	1 - 5%	231-900-3	NE
Ammonium nitrate, NH ₄ NO ₃	6484-52-2	1 - 5%	229-347-8	O;R08
Sulphur, S	7704-34-9	5 - 10%	231-722-6	Xi;R38-43
Biuret	108-19-0	0.1 - 1.5%	203-559-0	Xi;R36/37/38
Magnesium oxide, MgO	1309-48-4	1 - 5%	215-171-9	NE

Revision date: 27-Jun-2011***

NE = Non-Established

For the full text of the R phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

General advice:	If you feel unwell, seek medical advice (show the label where possible).
Ingestion:	Do not induce vomiting without medical advice. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person. In case of respiratory difficulties practice oxygenotherapy. Possible symptoms are nausea and/or vomiting.
Inhalation:	In case of shortness of breath, give oxygen. Possible symptoms are coughing and/or dyspnoea. Move to fresh air. If symptoms persist, call a physician.
Skin contact:	If a person feels unwell or symptoms of skin irritation appear, consult a physician.
Eye contact:	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Coordinate fire extinguishing measures to fire in surrounding area

Unsuitable extinguishing media:

Not applicable

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases:

Thermal decomposition can lead to release of irritating gases and vapours.

Special protective equipment for firefighters:

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Ensure adequate ventilation. Avoid dust formation. Use personal protective equipment. Wear personal protective equipment.

Environmental precautions:

Prevent product from entering drains. Do not contaminate surface water.

Methods for cleaning up:

Shovel or sweep up. Do not create a powder cloud by using a brush or compressed air. Prevent product from entering drains.

7. HANDLING AND STORAGE

Handling:

Technical measures/precautions:

No special technical protective measures required.

Safe handling advice:	Keep away from open flames, hot surfaces and sources of ignition.
Storage:	
Technical measures/storage conditions:	Keep away from heat and sources of ignition. Keep away from food, drink and animal feeding stuffs. For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well. Keep at temperatures between 0 °C and 40 °C .
Incompatible products:	Not applicable
Specific use(s):	Granulated fertilizer.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:	Ensure adequate ventilation.
<u>Occupational exposure controls</u>	
<u>Personal protective equipment</u>	
Respiratory protection:	Not applicable.
Hand protection:	PVC or other plastic material gloves.
Eye/face protection	Safety glasses.
Skin and body protection:	Usual safety precautions while handling the product will provide adequate protection against this potential effect.
Hygiene measures	Follow good housekeeping practices. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs.
<u>Exposure limit values</u>	
<i>Calcium sulphate dihydrate, CaSO₄+2H₂O</i>	
Belgium - 8 Hr VLE	10 mg/m ³ TWA
France INRS (VME)	10 mg/m ³ VME
Germany TRGS900:	6 mg/m ³ TWA
Germany (DFG) - MAK	1.5 mg/m ³ MAK
	4 mg/m ³ MAK
Portugal - TWAs	10 mg/m ³ TWA
Spain - Valores Limite Ambientales - VLE	10 mg/m ³ VLA-ED
UK EH40 WEL:	10 mg/m ³ TWA
	4 mg/m ³ TWA
<i>Ammonium nitrate, NH₄NO₃</i>	
Czech Republic OEL	= 10.0 mg/m ³ TWA
<i>Sulphur, S</i>	
France INRS (VME)	VME (poussières) = 10 mg/m ³
<i>Magnesium oxide, MgO</i>	
Austria - MAKs	6 mg/m ³
Belgium - 8 Hr VLE	10 mg/m ³
Czech Republic OEL	5 mg/m ³ TWA
France - Valeurs Limites d'exposition (VLE)	10 mg/m ³
France INRS (VME)	10 mg/m ³ VME
Germany (DFG) - MAK	6 mg/m ³

Netherlands - OEL - MACs:	10 mg/m ³
Norway - 8 h:	10 mg/m ³
Portugal - TWAs	10 mg/m ³ TWA
Spain - Valores Limite Ambientales - VLE	10 mg/m ³ VLA-ED
UK EH40 WEL:	10 mg/m ³

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State:	Solid
Color:	Brownish***
Odor:	No information available

Important Health Safety and Environmental Information

Decomposition temperature:	> 150°C
Solubility:	Coating not soluble, release nutrients through coating
Flammability (solid, gas):	Non-flammable

Other information

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Conditions to avoid:	Keep away from open flames, hot surfaces and sources of ignition.
Materials to avoid:	Combustible material.
Hazardous decomposition products:	No decomposition if stored normally. Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Component information

Ammonium nitrate, NH₄NO₃

LD₅₀/oral/rat = 2410 mg/kg

Sulphur, S

LD₅₀/oral/rat = > 2000 mg/kg

LD₅₀/dermal/rat = > 2000 mg/kg

LC₅₀/inhalation/4h/rat = > 5,4 mg/l

Biuret

LD₅₀/oral/rat = > 5 g/kg

Other information on acute toxicity:

No information available

Product information**Local effects****Skin effects:**

May cause skin irritation in susceptible persons.

Eye effects:

Contact with eyes may cause irritation.

Inhalation:

May cause sensitization by inhalation.

Ingestion:

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

12. ECOLOGICAL INFORMATION**Product information****Component information***Ammonium nitrate, NH₄NO₃***Ecotoxicity effects**

EC50/48h/daphnia =100 mg/l

LC50/96h/rainbow trout =10 mg/l

EC50/72h/algae = 74000 µg/l

No ecological information is known on the product nor on any of its ingredients

13. DISPOSAL CONSIDERATIONS**Waste Disposal Methods:**

Use up product completely. Packaging material is industrial waste

Contaminated packaging:

Empty containers can be landfilled, when in compliance with the local regulations

14. TRANSPORT INFORMATION**Product information****Physical State:**

Solid

ADR/RID**UN-No:**

Not classified for transport

IATA**UN-No:**

Not classified for transport

IMO / IMDG**UN-No:**

Not classified for transport

15. REGULATORY INFORMATION

Indication of danger:

This product does not have to be classified according to the EU regulations.

ICPE (FR): Classified installation : article 1331

16. OTHER INFORMATION

Text of R Phrases mentioned in Section 3

R 8 - Contact with combustible material may cause fire.

R36/37/38 - Irritating to eyes, respiratory system and skin.

Reason for revision: *** Indicates changes since the last revision. This version replaces all previous versions

Prepared by: Regulatory Affairs Department.

This information contained herein is, to the best of Everris' knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and Everris shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, Everris shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product

End of Safety Data Sheet