

# BASIFERTIL MPPA EUROPACK 11-10-16+2%MgO+18%SO3+0.3%B+0.3%Zn

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Reference number: NPK96

Issue date: 18.08.2016 Revision date: 10.01.2023 Supersedes version of: 04.08.2021 Version: 3.0

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

### 1.1. Product identifier

Product form : Mixture  
Product name : BASIFERTIL MPPA EUROPACK 11-10-16+2%MgO+18%SO3+0.3%B+0.3%Zn  
Product code : BFMPPEUROPACK111016  
Type of product : Fertilizer  
Product group : Trade product

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Main use category : Professional use  
Function or use category : Fertilisers

Title	Use descriptors
Professional use : Fertilizer (Source : Chemical safety report)	SU1, SU22, PC12, PROC5, PROC8a, PROC9, ERC8b, ERC8e

Full text of use descriptors: see section 16

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

#### Distributor

Cartlis AgroSystems Ltd  
Kostava str. 1st floor, 75g  
0160 Tbilisi  
GEORGIA  
T +995 32 244 55 41 - F +995 32 244 55 49  
[info@cartlis.ge](mailto:info@cartlis.ge) - [www.cartlis.ge](http://www.cartlis.ge)

### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Americas	3E		+1-760-476-3962 (Access code : 333021)	(24/7)
Europe/Middle-East/Africa	3E		+1-760-476-3961 (Access code : 333021)	(24/7)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazardous to the aquatic environment – Chronic Hazard, H412  
Category 3

Full text of H- and EUH-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

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### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	: -
Hazard statements (CLP)	: H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P273 - Avoid release to the environment. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards

Other hazards which do not result in classification : Dust may form explosive mixture in air.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ammonium nitrate	CAS-No.: 6484-52-2 EC-No.: 229-347-8 REACH-no: 01-2119490981-27	> 1 < 10	Ox. Sol. 3, H272 Eye Irrit. 2, H319
Zinc sulphate monohydrate	CAS-No.: 7733-02-0 EC-No.: 231-793-3 EC Index-No.: 030-006-00-9 REACH-no: 01-2119474684-27	> 0,25 < 1	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Get medical advice/attention if you feel unwell.
First-aid measures after inhalation	: Move to fresh air in case of accidental inhalation. Seek medical attention if ill effect develops.
First-aid measures after skin contact	: Wash with water and soap as a precaution. If case of redness or irritation, call a doctor.
First-aid measures after eye contact	: Rinse thoroughly and plentifully with water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult an eye specialist.
First-aid measures after ingestion	: If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting without medical advice. If swallowed, seek medical advice immediately and show this container or label.

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### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : see section(s) : 2.1/2.3).

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable. Not combustible but enhances combustion of other substances.  
Hazardous decomposition products in case of fire : Thermal decomposition generates : Ammonia. Nitrogen oxides. Phosphorus oxides. Sulphur oxides. Carbon oxides (CO, CO<sub>2</sub>). Potassium oxides.

### 5.3. Advice for firefighters

Precautionary measures fire : Evacuate area.  
Firefighting instructions : Contain the extinguishing fluids by bunding.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Complete protective clothing. EN 469. Self-contained breathing apparatus.  
Other information : Do not allow run-off from fire fighting to enter drains or water courses. Relevant water authorities should be notified of any large spillage to water course or drain.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Avoid contact with eyes. Do not breathe dust. Evacuate unnecessary personnel. Mark the danger area. Mechanically ventilate the spillage area. Only qualified personnel equipped with suitable protective equipment may intervene.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Ventilate area. Stop leak if safe to do so. Dike and contain spill.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.  
Methods for cleaning up : Clean up immediately by sweeping or vacuum. Minimise generation of dust. Collect up the product and place it in a spare container suitably labelled.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Do not breathe dust. Avoid contact with eyes. Use personal protective equipment as required.
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: The floor of the depot should be impermeable and designed to form a water-tight basin. Comply with applicable regulations.
Storage conditions	: Store in dry, cool, well-ventilated area. Protect from moisture. Keep out of reach of children.
Incompatible products	: Refer to the detailed list of incompatible materials in section 10 Stability/Reactivity.
Storage temperature	: Store at ambient temperature
Heat and ignition sources	: Keep away from open flames, hot surfaces and sources of ignition.
Information on mixed storage	: Keep away from food, drink and animal feeding stuffs.
Special rules on packaging	: Keep only in original container. Store in a closed container.

#### 7.3. Specific end use(s)

see section(s) : 1.2. Relevant identified uses of the substance or mixture and uses advised against).

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

No additional information available

##### 8.1.2. Recommended monitoring procedures

No additional information available

##### 8.1.3. Air contaminants formed

No additional information available

##### 8.1.4. DNEL and PNEC

Zinc sulphate monohydrate (7733-02-0)	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	8,3 mg/kg bodyweight/day Unit : mg Zn
Long-term - systemic effects, inhalation	1 mg/m <sup>3</sup> Unit : mg Zn
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	0,83 mg/kg bodyweight/day Unit : mg Zn
Long-term - systemic effects, inhalation	1,3 mg/m <sup>3</sup> Unit : mg Zn
Long-term - systemic effects, dermal	8,3 mg/kg bodyweight/day Unit : mg Zn
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0,0206 mg/l Unit : mg Zn
PNEC aqua (marine water)	0,0061 mg/l Unit : mg Zn
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	235,6 mg/kg Unit : mg Zn
PNEC sediment (marine water)	113 mg/kg Unit : mg Zn

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Zinc sulphate monohydrate (7733-02-0)	
<b>PNEC (Soil)</b>	
PNEC soil	106,8 mg/kg Unit : mg Zn
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	0,0052 mg/l Unit : mg Zn
<b>Ammonium nitrate (6484-52-2)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	5,12 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	36 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	2,56 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	8,9 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	2,56 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0,45 mg/l
PNEC aqua (marine water)	0,045 mg/l
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	18 mg/l

<tx : \_T\_00453> : <tx:\_SDS> <tx:\_T\_01107>.

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station. Local exhaust and general ventilation must be adequate to meet exposure standards.

### 8.2.2. Personal protection equipment

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses with side guards should be worn to prevent injury from airborne particles and/or other eye contact with this product

Eye protection			
Type	Field of application	Characteristics	Standard
Safety goggles	Dust	With side shields	EN 166

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Skin protection appropriate to the conditions of use should be provided. In case of repeated or prolonged contact wear gloves

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Skin and body protection	
Type	Standard
Gloves	EN 374

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Where excessive dust may result, wear approved mask

Respiratory protection			
Device	Filter type	Condition	Standard
Dust mask	Type P2	Dust protection	EN 143, EN 149

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. Assure that emissions are compliant with all applicable air pollution control regulations. Comply with applicable regulations.

#### Other information:

See Section 7 : 7.1. Precautions for safe handling.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Grey.
Appearance	: Granulate.
Odour	: Odourless.
Odour threshold	: Not applicable
Melting point	: > 133 °C
Freezing point	: Not available
Boiling point	: Not available
Flammability	: In case of excessive dust production : Dust may form flammable and explosive mixture with air
Explosive properties	: In case of excessive dust production : Dust may form flammable and explosive mixture with air.
Oxidising properties	: Non oxidizing material according to EC criteria.
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: 5,2 Water, 10%
pH solution	: Not available
Viscosity, kinematic	: Not applicable
Solubility	: Water: partially to totally soluble
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 1000 – 1200 kg/m <sup>3</sup>
Relative density	: Not available
Relative vapour density at 20°C	: Not applicable
Particle size	: Not available

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### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

Acids. Bases. Reducing agents. Combustible materials. Alkalis. Nitrites.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. In case of fire: See Section 5.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

Zinc sulphate monohydrate (7733-02-0)	
LD50 oral rat	1710 mg/kg bodyweight (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg (OECD 402 method)
Ammonium nitrate (6484-52-2)	
LD50 oral rat	2950 mg/kg (OECD 401 method)
LD50 dermal rat	> 5000 mg/kg (OECD 402 method)
LC50 Inhalation - Rat	> 88,8 mg/m <sup>3</sup>

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 5,2 Water, 10%
Additional information	: No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

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Zinc sulphate monohydrate (7733-02-0)	
pH	4 – 6
Ammonium nitrate (6484-52-2)	
pH	4,6 – 7,6 95 g/l

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)  
pH: 5,2 Water, 10%

Additional information : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

Zinc sulphate monohydrate (7733-02-0)	
pH	4 – 6
Ammonium nitrate (6484-52-2)	
pH	4,6 – 7,6 95 g/l

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Additional information : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation  
Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Additional information : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Additional information : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

Additional information : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

Additional information : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Additional information : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

Ammonium nitrate (6484-52-2)	
NOAEL (subacute, oral, animal/male, 28 days)	≥ 1500 mg/kg bodyweight rat - (OECD 422 method)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The substance/mixture has no endocrine disrupting properties.



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### 11.2.2. Other information

Other information : Mixture does not contain substance (s) classified as PBT or vPvB in concentrations above 0,1%.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation.

Ecology - water : Harmful to aquatic life with long lasting effects. Do not allow large quantities, as are, to spread into the environment. Do not discharge into drains or rivers.

Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met. No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation)

Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

Zinc sulphate monohydrate (7733-02-0)	
LC50 - Fish [1]	Zn 0,169 mg/l Oncorhynchus mykiss (Rainbow trout)
NOEC chronic fish	0,199 mg/l
NOEC chronic crustacea	0,013 mg/l
NOEC chronic algae	0,0078 mg/l
Ammonium nitrate (6484-52-2)	
LC50 - Fish [1]	447 mg/l Cyprinus carpio (Common carp), 48 Hours
EC50 - Crustacea [1]	490 mg/l 48 Hours, (Results obtained on a similar product)
ErC50 algae	> 1700 mg/l 10 days, (Results obtained on a similar product)
NOEC chronic crustacea	555 mg/l 168 Hours, Bullia Digitalis

### 12.2. Persistence and degradability

BASIFERTIL MPPA EUROPACK 11-10-16+2%MgO+18%SO3+0.3%B+0.3%Zn	
Persistence and degradability	Not established.
Zinc sulphate monohydrate (7733-02-0)	
Persistence and degradability	Not applicable (inorganic substance).
Ammonium nitrate (6484-52-2)	
Persistence and degradability	Not applicable (inorganic substance).

### 12.3. Bioaccumulative potential

BASIFERTIL MPPA EUROPACK 11-10-16+2%MgO+18%SO3+0.3%B+0.3%Zn	
Bioaccumulative potential	Not established.
Zinc sulphate monohydrate (7733-02-0)	
Bioaccumulative potential	Not relevant.
Ammonium nitrate (6484-52-2)	
Bioaccumulative potential	Slightly or not bioaccumulative.

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### 12.4. Mobility in soil

#### Zinc sulphate monohydrate (7733-02-0)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2,2
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### 12.5. Results of PBT and vPvB assessment

#### BASIFERTIL MPPA EUROPACK 11-10-16+2%MgO+18%SO3+0.3%B+0.3%Zn

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Other adverse effects : May cause eutrophication at very low concentration.  
Additional information : No other effects known

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Product/Packaging disposal recommendations : Discharging into rivers and drains is forbidden.  
Additional information : Do not re-use empty containers.  
HP Code : HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not regulated for transport				
<b>14.2. UN proper shipping name</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

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### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

#### Rail transport

Not regulated

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Other information, restriction and prohibition regulations : All the constituents of this preparation are registered in the EINECS inventory or in the ELINCS list.

#### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

#### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

#### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

#### Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### ANNEX I RESTRICTED EXPLOSIVES PRECURSORS

List of substances which shall not be made available to, or introduced, possessed or used by, members of the general public, whether on their own or in mixtures or substances that include those substances, unless the concentration is equal to or lower than the limit values set out in column 2, and for which suspicious transactions and significant disappearances and thefts are to be reported to the relevant national contact point within 24 hours.

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Name	CAS-No.	Limit value	Upper limit value for licensing under Article 5(3)	Combined Nomenclature (CN) code for a separate chemically defined compound meeting the requirements of Note 1 to Chapter 28 or 29 of the CN, respectively	Combined Nomenclature code for mixture without constituents which would determine classification under another CN code
Ammonium nitrate	6484-52-2	45,7 % w/w	No licensing permitted	3102 30 10 (in aqueous solution) 3102 30 90 (other)	ex 3824 99 96

Please see [https://home-affairs.ec.europa.eu/policies/internal-security/counter-terrorism-and-radicalisation/protection/legislation-chemicals-used-home-made-explosives\\_en](https://home-affairs.ec.europa.eu/policies/internal-security/counter-terrorism-and-radicalisation/protection/legislation-chemicals-used-home-made-explosives_en)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.1.2. National regulations

Ensure all national/local regulations are observed

## 15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out

**For the following substances of this mixture a chemical safety assessment has been carried out:**

Zinc sulphate monohydrate

Ammonium nitrate

## SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Reason for no classification	Added	
	Supersedes	Added	
	Revision date	Added	
	Flammability (solid, gas)	Added	
	Display additional SDS EU addresses	Added	
1.1	Product code	Modified	
1.2	Main use category	Added	
1.2	Function or use category	Added	
1.2	Use of the substance/mixture	Removed	
2.3	Other hazards not contributing to the classification	Added	
4.1	First-aid measures general	Added	
4.1	First-aid measures after eye contact	Modified	
4.3	Other medical advice or treatment	Modified	

# BASIFERTIL MPPA EUROPACK 11-10-16+2%MgO+18%SO3+0.3%B+0.3%Zn

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Indication of changes			
Section	Changed item	Change	Comments
5.1	Suitable extinguishing media	Modified	
5.2	Hazardous decomposition products in case of fire	Modified	
5.2	Fire hazard	Added	
5.3	Other information	Modified	
5.3	Firefighting instructions	Added	
5.3	Protection during firefighting	Modified	
5.3	Precautionary measures fire	Added	
6.1	Protective equipment	Added	
6.1	General measures	Modified	
6.1	Emergency procedures	Added	
6.1	Emergency procedures	Added	
6.2	Environmental precautions	Modified	
6.3	For containment	Added	
6.3	Methods for cleaning up	Modified	
6.3	Other information	Added	
6.4	Reference to other sections (8, 13)	Added	
7.1	Hygiene measures	Added	
7.1	Precautions for safe handling	Modified	
7.2	Heat and ignition sources	Added	
7.2	Incompatible products	Added	
7.2	Special rules on packaging	Added	
7.2	Technical measures	Added	
7.2	Prohibitions on mixed storage	Added	
7.2	Storage conditions	Modified	
7.2	Storage area	Removed	
7.3	Specific end uses	Modified	
8.1	Additional information	Modified	
8.2	Environmental exposure controls	Added	
8.2	Appropriate engineering controls	Added	
8.2	Skin and body protection	Modified	
8.2	Other information	Modified	
8.2	Eye protection	Modified	
8.2	Hand protection	Removed	
8.2	Materials for protective clothing	Added	
9.1	Oxidising properties	Modified	
9.1	Colour	Added	

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Indication of changes			
Section	Changed item	Change	Comments
9.1	Melting point	Added	
9.1	Explosive properties	Added	
9.1	Appearance	Added	
9.1	Solubility in water	Added	
9.1	Flammability (solid, gas)	Removed	
9.1	Odour	Modified	
10.1	Reactivity	Modified	
10.3	Possibility of hazardous reactions	Modified	
10.4	Conditions to avoid	Modified	
10.5	Incompatible materials	Modified	
10.6	Hazardous decomposition products	Modified	
12.1	Ecology - general	Modified	
12.1	Ecology - water	Added	
12.2	Persistence and degradability	Modified	
12.3	Bioaccumulative potential	Modified	
12.4	Ecology - soil	Removed	
12.6	Other adverse effects	Added	
13.1	Additional information	Modified	
13.1	HP Code	Added	
13.1	Waste disposal recommendations	Added	
13.1	Waste treatment methods	Modified	
13.1	Regional waste regulation	Added	
15.2	Chemical safety assessment	Added	
16	Abbreviations and acronyms	Added	
16	Data sources	Added	
16	Training advice	Added	
16	Other information	Removed	

Abbreviations and acronyms:	
CAS-No.	Chemical Abstract Service number
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
EC50	Median effective concentration
LC50	Median lethal concentration
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EN	European Standard

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## Safety Data Sheet

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Abbreviations and acronyms:	
ATE	Acute Toxicity Estimate
SDS	Safety Data Sheet
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
N.O.S.	Not Otherwise Specified
EC-No.	European Community number
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
STP	Sewage treatment plant
OEL	Occupational Exposure Limit
vPvB	Very Persistent and Very Bioaccumulative

Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Safety Data Sheet Supplier.
Training advice	: Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Ox. Sol. 3	Oxidising Solids, Category 3

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Full text of use descriptors	
ERC8b	Wide dispersive indoor use of reactive substances in open systems
ERC8e	Wide dispersive outdoor use of reactive substances in open systems
PC12	Fertilizers
PROC5	Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)
PROC8a	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities
PROC9	Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
SU1	Agriculture, forestry, fishery
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Aquatic Chronic 3	H412	Calculation method

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.