Safety Data Sheet

Issue Date: 29-Aug-2014

Revision Date: 13-Sep-2016

Version: 1 01

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE **COMPANY/UNDERTAKING**

1.1. Product identifier **Product Name: Product Code**

Landscaper Pro tablet (15 grams) 12-14M; 15-9-9+3MgO 66270107DB

1.2. Relevant identified uses of the substance or mixture and uses advised against **Recommended Use:** Fertilizer. **Uses Advised Against:** None

1.3. Details of the supplier of the safety data sheet Manufacturer **Everris International BV** Nijverheidsweg 1-5; 6422 PD Heerlen (NL); Tel: +31 (0) 45-5609100; Fax: +31 (0) 45-5609190

For further information, please contact INFO-MSDS@EVERRIS.COM **1.4. Emergency telephone number** IN CASE OF AN EMERGENCY CALL: +44 1235 239 670 (24h)

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Mixture

Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [EU-GHS]

2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [EU-GHS] Signal Word:

None

EUH210 - Safety data sheet available on request

Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand P102 - Keep out of reach of children P103 - Read label before use

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Ingredients	EC-No.	CAS-No	Weight %	Classification according to	REACH registration
				Regulation (EC) No.	number
				1272/2008 [CLP]	
Ammonium Nitrate; NH4NO3	229-347-8	6484-52-2	25 - 40%	Eye Irrit. 2 (H319)	01-2119490981-27
				Ox. Sol. 3 (H272)	
Poly ethylene glycol; PEG	500-038-2	25322-68-3	5 - 10%	Not classified	Exempt
Calcium sulphate dihydrate;	231-900-3	10101-41-4	1 - 5%	Not classified	01-2119444918-26

CaSO ₄ +2H ₂ O					
Magnesium oxide; MgO	215-171-9	1309-48-4	1 - 5%	Not classified	Exempt
Calcium fluoride; CaF2	232-188-7	7789-75-5	0.1 - 1%	Not classified	Exempt
Wax	601-216-3	112945-52-5	0.1 - 1%	Not classified	01-2119488076-30
Iron sulphate; FeSO₄+1H₂O	231-753-5	7720-78-7	< 0.1%	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H302)	01-2119513203-57
Iron EDTA; Fe-EDTA	239-802-2	15708-41-5	< 0.1%	Not classified	01-2119496228-27
Manganese sulphate; MnSO4+1H2O	232-08-99	7785-87-7	< 0.1%	STOT RE 2 (H373) Eye Dam. 1 (H318) Aquatic Chronic 2 (H411)	01-2119456624-35
Sodium borate; Na ₂ B ₄ O ₇	215-540-4	1330-43-4	< 0.1%	Eye Irrit. 2 (H319) Repr. 1B (H360FD)	01-2119490790-32

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

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Advice:	First aid measures should be executed by trained personnel only.		
Inhalation:	Dusty conditions are unlikely if product is used as intended. However, if prolonged inhalation of dust occurs, remove casualty 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. Rinse with plenty of water.		
Eye Contact:	Rinse eyes with water as a precaution. If eye irritation persists, consult a specialist.		
Ingestion:	If conscious, drink plenty of water. Do NOT induce vomiting. Rinse mouth. Consult a physician if necessary.		
Protection of First-Aiders:	Low hazard for usual industrial or commercial handling.		
4.2. Most important symptoms and	effects, both acute and delayed		
Symptoms:	None under normal processing		
4.3. Indication of any immediate me	dical attention and special treatment needed		
Notes to Physician:	None under normal processing.		

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media Suitable extinguishing media: Water.

Unsuitable extinguishing media:

High volume water jet. Dry powder. Sand. Foam.

5.2. Special hazards arising from the substance or mixture

In case of fire, the product will smoulder even without the presence of external oxygen. In these conditions the product will show self sustaining decomposition. The best method to extinguish the fire is to cool the decomposition front with water. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous Combustion Products:

Carbon oxides. Phosphorus oxides. Ammonia. Nitrogen oxides (NOx).

5.3. Advice for firefighters

Coordinate fire extinguishing measures to fire in surrounding area. In the event of fire and/or explosion do not breathe fumes. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Use water spray to cool fire exposed surfaces.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures_ Personal Precautions: Avoid dust formation. Sweep-up to prevent slipping hazard.

Personal Precautions: For Emergency Responders:

Use personal protection recommended in Section 8.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Methods for Containment:Prevent further leakage or spillage if safe to do so.Methods for Cleanup:Shovel or sweep up.

6.4. Reference to other sections

§ 8, 12, 13.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. When using, do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

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. Bags or Bulk.

Packaging Materials:

7.3. Specific end use(s)

Specific use(s)

Fertilizer; Read and follow label instructions; www.everris.com

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Ammonium Nitrate; NH4NO3				
Australia TWA	N.A.			
Czech Republic OEL	10.0 mg/m³ TWA			
Poly ethylene glycol; PEG				
Austria	STEL 4000 mg/m ³ TWA: 1000 mg/m ³			
Slovenia - Occupational Exposure Limits - TWAs	1000 mg/m ³ TWA (average MW 200-400, inhalable fraction)			
Switzerland	TWA: 1000 mg/m ³			
Calcium sulphate dihydrate; CaSO4+2H2O				
Belgium - 8 Hr TWA	10 mg/m³ TWA			
Portugal	TWA: 10 mg/m ³			
Spain OEL - Time Weighted Average (TWA):	TWA: 10 mg/m ³			
Switzerland	TWA: 3 mg/m ³			
Magnesium oxide; MgO				
Austria	STEL 20 mg/m ³			
	STEL 10 mg/m ³			

	TWA: 5 mg/m ³
	TWA: 10 mg/m ³
Australia TWA	10 mg/m ³ TWA fume
Belgium - 8 Hr TWA	10 mg/m ³
Bulgaria - Occupational Exposure Limits - TWAs	10.0 mg/m ³ TWA
Czech Republic OEL	5 mg/m ³ TWA
Denmark	TWA: 6 mg/m ³
France - Occupational Exposure Limits - 8 Hour VMEs	TWA: 10 mg/m ³
Hungary - Occupational Exposure Limits - TWAs	6 mg/m ³ TWA
Iceland - OEL - 8 Hour	6 mg/m³ TWA Mg
Ireland	TWA: 4 mg/m ³
	TWA: 5 mg/m ³
	TWA: 10 mg/m ³
	STEL: 10 mg/m ³
	STEL: 12 mg/m ³
	STEL: 30 mg/m ³
Korea - ISHA - Occupational Exposure Limits - TWAs	10 mg/m³ TWA (Serial No. 272)
Malaysia - Occupational Exposure Limits - TWAs	10 mg/m ³ TWA (fume)
Norway	TWA: 10 mg/m ³
	STEL: 20 mg/m ³
Poland	TWA: 10 mg/m ³
Portugal	TWA: 10 mg/m ³
Romania - Occupational Exposure Limits - TWAs	5 mg/m ³ TWA (fume)
Spain OEL - Time Weighted Average (TWA):	TWA: 10 mg/m ³
Singapore - OEL:PELs	10 mg/m ³ PEL
Switzerland	TWA: 3 mg/m ³
UK oes/mel:	STEL: 30 mg/m ³
	STEL: 12 mg/m ³
	TWA: 10 mg/m ³
	TWA: 4 mg/m ³
Calcium fluoride; CaF2	
Denmark	TWA: 2.5 mg/m ³
Ireland	TWA: 2.5 mg/m ³
	STEL: 7.5 mg/m ³
Latvia - Occupational Exposure Limits - TWAs	0.5 mg/m ³ TWA (as F, listed under Hydrofluoric acid salts)
Poland	TWA: 2 mg/m ³
Portugal	TWA: 2.5 mg/m ³
Romania - Occupational Exposure Limits - TWAs	1 mg/m³ TWA
Russia TWA	0.5 mg/m³ TWA 1050
Wax	
Austria	TWA: 4 mg/m ³
Switzerland	TWA: 4 mg/m ³
Iron sulphate; FeSO4+1H2O	
Belgium - 8 Hr TWA	1 mg/m ³
Denmark	TWA: 1 mg/m ³
Finland	TWA: 1 mg/m ³
Finland Ireland	TWA: 1 mg/m ³ TWA: 1 mg/m ³
	TWA: 1 mg/m ³
Ireland	TWA: 1 mg/m ³ STEL: 2 mg/m ³
Ireland	TWA: 1 mg/m³ STEL: 2 mg/m³ TWA: 1 mg/m³
Ireland Norway	TWA: 1 mg/m³ STEL: 2 mg/m³ TWA: 1 mg/m³ STEL: 1 mg/m³ TWA: 1 mg/m³ TWA: 1 mg/m³ TWA: 1 mg/m³
Ireland Norway Portugal	TWA: 1 mg/m³ STEL: 2 mg/m³ TWA: 1 mg/m³ STEL: 1 mg/m³ TWA: 1 mg/m³ TWA: 1 mg/m³ TWA: 1 mg/m³
Ireland Norway Portugal Spain OEL - Time Weighted Average (TWA): Switzerland	TWA: 1 mg/m³ STEL: 2 mg/m³ TWA: 1 mg/m³ STEL: 1 mg/m³ TWA: 1 mg/m³
Ireland Norway Portugal Spain OEL - Time Weighted Average (TWA): Switzerland UK oes/mel:	TWA: 1 mg/m³ STEL: 2 mg/m³ TWA: 1 mg/m³ STEL: 1 mg/m³ TWA: 1 mg/m³
Ireland Norway Portugal Spain OEL - Time Weighted Average (TWA): Switzerland	TWA: 1 mg/m³ STEL: 2 mg/m³ TWA: 1 mg/m³ STEL: 1 mg/m³ TWA: 1 mg/m³
Ireland Norway Portugal Spain OEL - Time Weighted Average (TWA): Switzerland UK oes/mel: Iron EDTA; Fe-EDTA	TWA: 1 mg/m³ STEL: 2 mg/m³ TWA: 1 mg/m³ STEL: 1 mg/m³ TWA: 1 mg/m³
Ireland Norway Portugal Spain OEL - Time Weighted Average (TWA): Switzerland UK oes/mel: <i>Iron EDTA; Fe-EDTA</i> Denmark Finland	TWA: 1 mg/m³ STEL: 2 mg/m³ TWA: 1 mg/m³ STEL: 1 mg/m³ TWA: 1 mg/m³
Ireland Norway Portugal Spain OEL - Time Weighted Average (TWA): Switzerland UK oes/mel: <i>Iron EDTA; Fe-EDTA</i> Denmark Finland Portugal	TWA: 1 mg/m³ STEL: 2 mg/m³ TWA: 1 mg/m³ STEL: 1 mg/m³ TWA: 1 mg/m³
Ireland Norway Portugal Spain OEL - Time Weighted Average (TWA): Switzerland UK oes/mel: <i>Iron EDTA; Fe-EDTA</i> Denmark Finland	TWA: 1 mg/m³ STEL: 2 mg/m³ TWA: 1 mg/m³ STEL: 1 mg/m³ TWA: 1 mg/m³
Ireland Norway Portugal Spain OEL - Time Weighted Average (TWA): Switzerland UK oes/mel: <i>Iron EDTA; Fe-EDTA</i> Denmark Finland Portugal Spain OEL - Time Weighted Average (TWA): Switzerland	TWA: 1 mg/m³ STEL: 2 mg/m³ TWA: 1 mg/m³ STEL: 1 mg/m³ TWA: 1 mg/m³
Ireland Norway Portugal Spain OEL - Time Weighted Average (TWA): Switzerland UK oes/mel: <i>Iron EDTA; Fe-EDTA</i> Denmark Finland Portugal Spain OEL - Time Weighted Average (TWA):	TWA: 1 mg/m³ STEL: 2 mg/m³ TWA: 1 mg/m³ STEL: 1 mg/m³ TWA: 1 mg/m³
Ireland Norway Portugal Spain OEL - Time Weighted Average (TWA): Switzerland UK oes/mel: <i>Iron EDTA; Fe-EDTA</i> Denmark Finland Portugal Spain OEL - Time Weighted Average (TWA): Switzerland <i>Manganese sulphate; MnSO</i> 4+1H2O	TWA: 1 mg/m³ STEL: 2 mg/m³ TWA: 1 mg/m³ STEL: 1 mg/m³ TWA: 1 mg/m³ STEL: 1 mg/m³ STEL STEL STEL TWA: 1 mg/m³ STEL STEL<
Ireland Norway Portugal Spain OEL - Time Weighted Average (TWA): Switzerland UK oes/mel: <i>Iron EDTA; Fe-EDTA</i> Denmark Finland Portugal Spain OEL - Time Weighted Average (TWA): Switzerland <i>Manganese sulphate; MnSO</i> 4+1H2O Austria	TWA: 1 mg/m³ STEL: 2 mg/m³ TWA: 1 mg/m³ STEL: 1 mg/m³ TWA: 1 mg/m³ STEL: 1 mg/m³ STEL STEL STEL TWA: 1 mg/m³ STEL STEL<
Ireland Norway Portugal Spain OEL - Time Weighted Average (TWA): Switzerland UK oes/mel: <i>Iron EDTA; Fe-EDTA</i> Denmark Finland Portugal Spain OEL - Time Weighted Average (TWA): Switzerland <i>Manganese sulphate; MnSO</i> 4+1H2O Austria	TWA: 1 mg/m³ STEL: 2 mg/m³ TWA: 1 mg/m³ STEL: 1 mg/m³ TWA: 1 mg/m³ STEL: 2 mg/m³ STEL: 2 mg/m³ STEL: 2 mg/m³ STEL: 2 mg/m³
Ireland Norway Portugal Spain OEL - Time Weighted Average (TWA): Switzerland UK oes/mel: <i>Iron EDTA; Fe-EDTA</i> Denmark Finland Portugal Spain OEL - Time Weighted Average (TWA): Switzerland <i>Manganese sulphate; MnSO</i> 4+1H2O Austria	TWA: 1 mg/m³ STEL: 2 mg/m³ TWA: 1 mg/m³ STEL: 1 mg/m³ TWA: 1 mg/m³ STEL: 1 mg/m³ STEL STEL STEL TWA: 1 mg/m³ STEL STEL<

Finland	TWA: 0.02 mg/m ³ TWA: 0.2 mg/m ³		
Ireland	TWA: 0.2 mg/m ³		
	STEL: 0.6 mg/m ³		
Norway	TWA: 1 mg/m ³		
	TWA: 0.1 mg/m ³		
	STEL: 1 ppm		
	STEL: 0.1 mg/m ³		
Poland	TWA: 0.2 mg/m ³		
	TWA: 0.05 mg/m ³		
Portugal	TWA: 0.2 mg/m ³		
Spain OEL - Time Weighted Average (TWA):	TWA: 0.2 mg/m ³		
Switzerland	TWA: 0.5 mg/m ³		
UK oes/mel:	TWA: 0.5 mg/m ³		
Sodium borate; Na2B4O7			
Australia TWA	1 mg/m³ TWA		
Belgium - 8 Hr TWA	2 mg/m ³ TWA borate		
Denmark	TWA: 1 mg/m ³		
France - Occupational Exposure Limits - 8 Hour VMEs	TWA: 1 mg/m ³		
Iceland - OEL - 8 Hour	1 mg/m³ TWA		
Ireland	TWA: 1 mg/m ³		
	STEL: 3 mg/m ³		
Korea - ISHA - Occupational Exposure Limits - TWAs	1 mg/m ³ TWA (anhydrous, Serial No. 239)		
Malaysia - Occupational Exposure Limits - TWAs	1 mg/m³ TWA		
Norway	TWA: 1 mg/m ³		
	STEL: 3 mg/m ³		
Portugal	STEL: 6 mg/m ³		
	TWA: 2 mg/m ³		
Spain OEL - Time Weighted Average (TWA):	STEL: 6 mg/m ³		
	TWA: 2 mg/m ³		
Singapore - OEL:PELs	1 mg/m ³ PEL		
Switzerland	TWA: 1 mg/m ³		
UK oes/mel:	STEL: 3 mg/m ³		
	TWA: 1 mg/m ³		

Predicted No Effect Concentration No information available. (PNEC)

8.2. Exposure controls

Personal protective equipment

Eye/face Protection	No special protective equipment required.
Skin and body protection	No special protective equipment required.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	Local authorities should be advised if significant spillages cannot be contained. Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties Physical State: Appearance: Color: Odor: Bulk density: pH: Melting Point/Freezing Point:

Solid Tablet out of resin coated prills brown, grey. Not significant 990 - 1036 kg/m³ no data available no data available

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Landscaper Pro tablet (15 grams) 12-14M; 15-9-9+3MgO

Boiling Point/Range: Flash Point: Evaporation Rate: Flammability (solid, gas): Vapor Pressure: Vapor Density: Specific Gravity: Water Solubility: Solubility(ies) Partition Coefficient: Autoignition Temperature: Decomposition Temperature: Explosive Properties:

Revision Date: 13-Sep-2016

Solid, Not Applicable Solid, Not Applicable Solid, Not Applicable Non-flammable Solid, Not Applicable Solid, Not Applicable no data available Soluble in water no data available Solid, Not Applicable Not Applicable no data available Doesn't present explosion hazard. Based on data of ingredients.

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity Not reactive.

Not applicable

9.2. Other information

 10.2. Chemical stability

 Stable under normal conditions.

 10.3. Possibility of hazardous reactions

 Possibility of hazardous reactions

 None under normal processing.

 Hazardous Decomposition Products:

 Thermal decomposition can lead to release of irritating and toxic gases and vapors.

10.4. Conditions to avoid

For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well.

10.5. Incompatible materials

None known based on information supplied.

10.6. Hazardous decomposition products

None under normal processing.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Information on the Likely Routes of Exposure (inhalation, ingestion, skin and eye contact):

Product	Information
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Inhalation	May cause irritation of respiratory tract.
Eye contact	May cause irritation.
Skin Contact	May cause irritation.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Information on Toxicological Effects:	

Symptoms

No information available.

Acute Toxicity

Unknown Acute Toxicity:

0% of the mixture consists of ingredient(s) of unknown toxicity.

Ingredients	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ammonium Nitrate; NH4NO3	= 2217 mg/kg (Rat)		> 88.8 mg/L (Rat)4 h
Poly ethylene glycol; PEG	= 22 g/kg (Rat) = 28 g/kg (> 20 mL/kg (Rabbit)> 20 g/kg	
	Rat)	(Rabbit)	
Calcium fluoride; CaF2	= 4250 mg/kg (Rat)		
Wax	= 3160 mg/kg (Rat)		
Iron sulphate; FeSO ₄ +1H ₂ O	= 500 mg/kg (Rat)		
Iron EDTA; Fe-EDTA	= 5 g/kg (Rat) > 5000 mg/kg (> 5000 mg/kg (Rat)	> 2.05 g/m³ (Rat)4 h
	Rat)		
Manganese sulphate;	= 782 mg/kg (Rat)		
MnSO ₄ +1H ₂ O			
Sodium borate; Na ₂ B ₄ O ₇	= 2660 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure:

skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	No information available.
Germ Cell Mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive Toxicity	No information available.
STOT - Single Exposure	No information available.
STOT - Repeated Exposure	No information available.
Aspiration Hazard	No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Do not allow product to enter the environment uncontrolled.

Unknown Aquatic Toxicity:

9% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Ingredients	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Ammonium Nitrate; NH4NO3	-	65 - 85: 48 h Cyprinus carpio mg/L LC50 semi-static	-	-
Poly ethylene glycol; PEG	-	5000: 24 h Carassius auratus mg/L LC50	-	-
Iron sulphate; FeSO4+1H2O	-	925: 96 h Poecilia reticulata mg/L LC50 static 0.56: 96 h Cyprinus carpio mg/L LC50 semi-static	-	152: 48 h Daphnia magna mg/L EC50 6.15 - 9.26: 48 h Daphnia magna mg/L EC50 Static
Sodium borate; Na ₂ B ₄ O ₇	158: 96 h Desmodesmus	340: 96 h Limanda	-	1085 - 1402: 48 h

subspicatus mg/L lir	ida mg/L LC50	Daphnia magna mg/L LC50
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12.2. Persistence and degradability

Persistence and Degradability: No information available.

12.3. Bioaccumulative potential

Bioaccumulation:

No information available.

Ingredients	LOGPOW
Ammonium Nitrate; NH4NO3	-3.1

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

12.6. Other adverse effects

Mobility:

No information available.

Section 13: DISPOSAL CONSIDERATIONS

<u>13.1. Waste treatment methods</u> Disposal of Wastes:

Contaminated Packaging: Other Information:

Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not re-use empty containers. Dispose of as unused product. Use up product completely. Packaging material is industrial waste.

Section 14: TRANSPORT INFORMATION

IMO / IMDG	
14.1	
UN-No:	2071
<u>14.2</u>	
Proper shipping name:	AMMONIUM NITRATE BASED FERTILIZER
<u>14.3</u>	
Hazard Class:	9
<u>14.4</u>	
Packing group:	III
14.5 Marine Ballytent	
Marine Pollutant:	Not regulated
<u>14.6</u> EmS:	F-H / S-Q
Special Provisions	186. 193
14.7	160, 193
Transport in bulk according to Annex II of MARPOL 73/78	Not regulated
and the IBC Code	Not regulated
ADR/RID	

14.1

UN-No: 14.2

Not regulated

Proper shipping name: <u>14.3</u> Hazard Class: <u>14.4</u> Packing group: <u>14.5</u>	Not regulated Not regulated Not regulated
<u>14.5</u> Environmental Hazard <u>14.6</u> Special Provisions	Not regulated

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ΙΑΤΑ	
<u>14.1</u> UN-No:	2071
<u>14.2</u> Proper shipping name:	AMMONIUM NITRATE BASED FERTILIZER
<u>14.3</u> Hazard Class:	9
<u>14.4</u> Packing group:	III
14.5 Environmental Hazard	Not regulated
<u>14.6</u> Special Provisions	A89, A90



Section 15: REGULATORY INFORMATION

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

Belgium_		
Component	Belgium - Major Accidents - Qualifying Quantities for Safety Reporting	Belgium - Major Accidents - Qualifying Quantities for Accident Prevention
Ammonium Nitrate; NH4NO3	2500 tonne (Note 3, applies to Ammonium	350 tonne (Note 3, applies to Ammonium
6484-52-2 (25 - 40%)	nitrate in which the Nitrogen content due to Ammonium nitrate is >28% by weight	nitrate in which the Nitrogen content due to Ammonium nitrate is >28% by weight
	containing <=0.2 % combustible material, >24.5% and <28% by weight containing	containing <=0.2 % combustible material, >24.5% and <28% by weight containing
	<=0.4% combustible material and to	<=0.4% combustible material and to aqueous
	aqueous Ammonium nitrate solutions in which the concentration of Ammonium nitrate	Ammonium nitrate solutions in which the econcentration of Ammonium nitrate is >80%
	is >80% by weight)	by weight)

Denmark

Danish Sikkerhedsgruppe

В

France

<u>Germany</u>

Water Endangering Class (WGK):

1 (Everris classification)

Component	German WGK Section
Ammonium Nitrate; NH4NO3	class 1
6484-52-2 (25 - 40%)	

Poly ethylene glycol; PEG 25322-68-3 (5 - 10%)	class 1
Magnesium oxide; MgO 1309-48-4(1-5%)	class 1
Calcium fluoride; CaF2 7789-75-5 (0.1 - 1%)	class 1
Iron sulphate; FeSO ₄ +1H ₂ O 7720-78-7(< 0.1%)	class 1
Iron EDTA; Fe-EDTA 15708-41-5 (< 0.1%)	class 2
Manganese sulphate;	class 1
Sodium borate; Na₂B₄O7 1330-43-4 (< 0.1%)	class 1

European Union

REACH:

Component	EU - REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances
Ammonium Nitrate; NH4NO3	Use restricted. See item 58. (Conditions of restrictions 27 June 2010)
6484-52-2 (25 - 40%)	
Sodium borate; Na ₂ B ₄ O ₇	Use restricted. See item 30.
1330-43-4 (< 0.1%)	

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not Applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not Applicable

15.2 Chemical safety assessment

Chemical Safety Report

Substance(s) usage is covered according to Reach regulation 1907/2006

Section 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

H360FD - May damage fertility. May damage the unborn child

H319 - Causes serious eye irritation

H272 - May intensify fire; oxidizer

H315 - Causes skin irritation

H302 - Harmful if swallowed

H373 - May cause damage to the kidneys/ liver/ eyes/ brain/ respiratory system/ central nervous system through prolonged or repeated exposure in contact with skin

H318 - Causes serious eye damage

H411 - Toxic to aquatic life with long lasting effects

Key or legend to abbreviations and acronyms used in the safety data sheet

- RID: Regulations Concerning the International Transport of Dangerous Goods by Rail
- ICAO: International Civil Aviation Organization
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Lab EINECS: European Inventory of Existing Commercial Chemic CAS: Chemical Abstracts Service (division of the American O PNEC: Predicted No Effect Concentration DNEL: Derived No-Effect Level Reach: Registration, Evaluation, authorization of Chemicals CLP: EU-GHS; Classification, Labelling and Packaging OEL: Occupational Exposure Limit TWA: Time Weighted Average ATE: Acute Toxicity Estimate EUH statement: CLP (EU) specific hazard statement	cal Substances
Classification procedure:	 Calculation method Expert judgment and weight of evidence determination
Key literature references and sources for data	According to EC Regulation 1907/2006 (Reach), Regulation EU No. 2015/830 Regulation (EC) No 1272/2008
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This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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