

Safety Data Sheet

Issue Date 29-Jul-2015

Revision Date 10-Oct-2019

Version: 4

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

1.1. Product identifier

Product Name Agromaster Start Mini 8-32-0+5MgO+9SO3+TE
 Product Code: 50790325GA
 Pure substance/mixture Mixture.

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

Recommended Use Fertilizer (PC12). Restricted to professional users.
 Uses Advised Against: Consumer use [SU 21].

1.3. Details of the supplier of the safety data sheet

Everris International B.V. 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 (CLP)

Eye Irritation	Category 2 - (H319)
Chronic aquatic toxicity	Category 3 - (H412)

2.2. Label elements



Signal Word: Warning

Hazard Statements:

H319 - Causes serious eye irritation
 H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements:

P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P337 + P313 - If eye irritation persists: Get medical advice/attention

Other hazards (UN-GHS)

H316 - Causes mild skin irritation

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical Name	EC-No.	CAS No	Weight %	Classification according Regulation (EC) 1272/2008	REACH registration number
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				[CLP]	
Calcium sulphate dihydrate; CaSO ₄ +2H ₂ O	231-900-3	10101-41-4	5 - 10%	Not classified	01-2119444918-26
Magnesium oxide; MgO	215-171-9	1309-48-4	1 - 5%	Not classified	Exempt
Diiron trioxide; Fe ₂ O ₃	215-721-8	1345-25-1	1 - 5%	Not classified	01-2119638146-39
Iron sulphate; FeSO ₄ +7H ₂ O	231-753-5	7782-63-0	1 - 5%	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	01-2119513203-57
Manganese sulphate; MnSO ₄ +1H ₂ O	232-08-99	7785-87-7	1 - 5%	STOT RE 2 (H373) Eye Dam. 1 (H318) Aquatic Chronic 2 (H411)	01-2119456624-35
Urea	200-315-5	57-13-6	1 - 5%	Not classified	01-2119463277-33
Manganese oxide; MnO	215-202-6	1344-43-0	0.1 - 1%	Not classified	01-2119446291-44
Zinc oxide; ZnO	1314-13-2	1314-13-2	0.1 - 1%	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	01-2119463881-32
Calcium carbonate; CaCO ₃	207-439-9	471-34-1	0.1 - 1%	Not classified	Exempt
Zinc sulphate hepta hydrate; ZnSO ₄ +7H ₂ O	616-097-3	7446-20-0	0.1 - 1%	Acute Tox. 4 (H302) Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	no data available
Copper (I) oxide; Cu ₂ O	215-270-7	1317-39-1	0.1 - 1%	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	01-2119513794-36
Copper sulfate pentahydrate; CuSO ₄ +5H ₂ O	231-847-6	7758-99-8	< 0.1%	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H302) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	01-2119520566-40

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 If not breathing, give artificial respiration. If symptoms persist, call a physician. If fumes from reactions are inhaled, move to fresh air immediately.

Skin Contact: If skin irritation persists, call a physician.

Eye Contact: Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

Ingestion: Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

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

None under normal processing

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

None under normal processing.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media: Coordinate fire extinguishing measures to fire in surrounding area.

Unsuitable Extinguishing Media: High volume water jet.

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

Use extinguishing agent suitable for type of surrounding fire. In the event of fire and/or explosion do not breathe fumes. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Wear personal protective equipment. Evacuate personnel to safe areas.

For Emergency Responders: Use personal protection recommended in Section 8.

6.2. Environmental precautions

Do not allow material to contaminate ground water system.

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: Take up mechanically and collect in suitable container for disposal.

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 container tightly closed in a dry and well-ventilated place. For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used packaging should be closed well. Keep away from flammable material.

Packaging Materials: Store in original container. Store in a closed container.
LGK (Germany) 13

7.3. Specific end use(s)

Specific use(s): Fertilizer; www.everris.com; Read and follow label instructions
Exposure scenario: Mixture. Not required.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<u>Calcium sulphate dihydrate: CaSO₄+2H₂O</u>	
Belgium - 8 Hr TWA	10 mg/m ³ TWA
Portugal	TWA: 10 mg/m ³
Spain - Valores Limite Ambientales - VLE	TWA: 10 mg/m ³
Switzerland	TWA: 3 mg/m ³
UK EH40 WEL (8h)	10 mg/m ³ TWA (Inhalable) 4 mg/m ³ TWA (Respirable)
<u>Magnesium oxide: MgO</u>	
Austria	STEL 10 mg/m ³ TWA: 5 mg/m ³
Australia	10 mg/m ³ TWA fume

Belgium - 8 Hr TWA	10 mg/m ³
Bulgaria - OEL- TWAs	10.0 mg/m ³ TWA
Czech Republic OEL	5 mg/m ³ TWA
Denmark	TWA: 6 mg/m ³
FR - OEL - 8h VMEs	TWA: 10 mg/m ³
Hungary - OEL - TWAs	6 mg/m ³ TWA
Iceland - OEL - 8 Hour	6 mg/m ³ TWA Mg
Ireland	TWA: 4 mg/m ³ STEL: 10 mg/m ³
Korea - ISHA - OEL - TWAs	10 mg/m ³ TWA (Serial No. 277)
Malaysia	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 - OEL - TWAs	5 mg/m ³ TWA (fume)
Spain - Valores Limite Ambientales - VLE	TWA: 10 mg/m ³
Singapore - OEL:PELs	10 mg/m ³ PEL
Switzerland	TWA: 3 mg/m ³
UK EH40 WEL (8h)	10 mg/m ³
<i>Diiron trioxide; Fe₂O₃</i>	
Austria	STEL 20 mg/m ³ TWA: 5 mg/m ³ TWA: 10 mg/m ³
greece OEL 15 minute	10 mg/m ³ STEL Fe
Hungary - OEL - TWAs	6 mg/m ³ TWA
Japan	1 mg/m ³ OEL 4 mg/m ³ OEL
Poland	STEL: 10 mg/m ³ STEL: 5 mg/m ³ TWA: 5 mg/m ³ TWA: 2.5 mg/m ³
Switzerland	TWA: 3 mg/m ³
UK EH40 WEL (8h)	1 mg/m ³ TWA
<i>Iron sulphate; FeSO₄+7H₂O</i>	
Belgium - 8 Hr TWA	1 mg/m ³
Denmark	TWA: 1 mg/m ³
Finland	TWA: 1 mg/m ³
Ireland	TWA: 1 mg/m ³ STEL: 2 mg/m ³
Norway	TWA: 1 mg/m ³ STEL: 2 mg/m ³
Portugal	TWA: 1 mg/m ³
Spain - Valores Limite Ambientales - VLE	TWA: 1 mg/m ³
Switzerland	TWA: 1 mg/m ³
United Kingdom - Occupational Exposure	1 mg/m ³ 8hr TWA. 2 mg/m ³ 15 min TWA
<i>Manganese sulphate; MnSO₄+1H₂O</i>	
Austria	STEL 2 mg/m ³ TWA: 0.5 mg/m ³
Australia	0.2 mg/m ³
Belgium - 8 Hr TWA	0.2 mg/m ³
Denmark	TWA: 0.2 mg/m ³
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
Japan	0.2 mg/m ³ OEL Mn
NL MAC - TWA:	STEL: 0.05 mg/m ³ TWA: 0.2 mg/m ³
Norway	TWA: 0.1 mg/m ³ STEL: 0.1 ppm
Poland	TWA: 0.05 mg/m ³
Portugal	TWA: 0.2 mg/m ³
Spain - Valores Limite Ambientales - VLE	TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³
Switzerland	TWA: 0.5 mg/m ³
UK EH40 WEL (8h)	5 mg/m ³
<i>Urea</i>	

Bulgaria - OEL- TWAs	10.0 mg/m ³ TWA
Latvia - OEL - TWAs	10 mg/m ³ TWA
<i>Manganese oxide; MnO</i>	
Austria	STEL 2 mg/m ³ TWA: 0.5 mg/m ³
Bulgaria - OEL- TWAs	0.3 mg/m ³ TWA (as Mn)
Denmark	TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³
Finland	TWA: 0.02 mg/m ³ TWA: 0.2 mg/m ³
Ireland	TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³ STEL: 0.6 mg/m ³ STEL: 0.15 mg/m ³
Japan	0.2 mg/m ³ OEL Mn
NL MAC - TWA:	STEL: 0.05 mg/m ³ TWA: 0.2 mg/m ³
Norway	TWA: 0.1 mg/m ³ STEL: 0.1 ppm
Poland	TWA: 0.05 mg/m ³
Portugal	TWA: 0.2 mg/m ³
Spain - Valores Limite Ambientales - VLE	TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³
Switzerland	TWA: 0.5 mg/m ³
<i>Zinc oxide; ZnO</i>	
Austria	TWA: 5 mg/m ³
Australia	5 mg/m ³ TWA
Belgium - 8 Hr TWA	10 mg/m ³ TWA
Bulgaria - OEL- TWAs	5.0 mg/m ³ TWA (as Zn)
Croatia - OEL - STELs (KGVIs)	10 mg/m ³ STEL [KGVII]
Czech Republic OEL	2 mg/m ³ TWA (as Zn)
Denmark	TWA: 4 mg/m ³
Finland	TWA: 2 mg/m ³ STEL: 10 mg/m ³
FR - OEL - 8h VMEs	TWA: 5 mg/m ³ TWA: 10 mg/m ³
greece OEL 15 minute	10 mg/m ³ STEL
Hungary - OEL - TWAs	5 mg/m ³ TWA
Iceland - OEL - 8 Hour	4 mg/m ³ TWA Zn
Ireland	TWA: 2 mg/m ³ STEL: 10 mg/m ³
Japan	1 mg/m ³ OEL
Korea - ISHA - OEL - TWAs	2 mg/m ³ TWA (dust, respirable fraction, Serial No. 280); 5 mg/m ³ TWA (fume, Serial No. 281)
Latvia - OEL - TWAs	0.5 mg/m ³ TWA
Malaysia	5 mg/m ³ TWA (fume); 10 mg/m ³ TWA (dust)
Norway	TWA: 5 mg/m ³ STEL: 10 mg/m ³
Poland	STEL: 10 mg/m ³ TWA: 5 mg/m ³
Portugal	STEL: 10 mg/m ³ TWA: 2 mg/m ³
Romania - OEL - TWAs	5 mg/m ³ TWA (fume)
Russia TWA	0.5 mg/m ³ TWA 2360
Slovenia - OEL - TWAs	5 mg/m ³ TWA (respirable fraction, fume)
Spain - Valores Limite Ambientales - VLE	STEL: 10 mg/m ³ TWA: 2 mg/m ³
Singapore - OEL:PELs	5 mg/m ³ PEL 10 mg/m ³ PEL
Switzerland	STEL: 3 mg/m ³ TWA: 3 mg/m ³
UK EH40 WEL (8h)	5 mg/m ³ TWA
<i>Calcium carbonate; CaCO₃</i>	
Australia	10 mg/m ³ TWA inhalable dust
Czech Republic OEL	10.0 mg/m ³ TWA
FR - OEL - 8h VMEs	TWA: 10 mg/m ³
Korea - ISHA - OEL - TWAs	10 mg/m ³ TWA (Serial No. 572)
Latvia - OEL - TWAs	6 mg/m ³ TWA
Poland	TWA: 10 mg/m ³

Portugal	TWA: 10 mg/m ³
Switzerland	TWA: 3 mg/m ³
UK EH40 WEL (8h)	10 mg/m ³ TWA (inhalable) 4 mg/m ³ TWA (respirable)
<i>Copper (I) oxide; Cu₂O</i>	
Austria	STEL 4 mg/m ³ STEL 0.4 mg/m ³ TWA: 1 mg/m ³ TWA: 0.1 mg/m ³
Finland	TWA: 0.02 mg/m ³
Poland	TWA: 0.2 mg/m ³
Switzerland	STEL: 0.2 mg/m ³ TWA: 0.1 mg/m ³
<i>Copper sulfate pentahydrate; CuSO₄+5H₂O</i>	
Austria	STEL 0.4 mg/m ³ TWA: 0.1 mg/m ³
Finland	TWA: 0.02 mg/m ³
Poland	TWA: 0.2 mg/m ³
Switzerland	STEL: 0.2 mg/m ³ TWA: 0.1 mg/m ³

Derived No Effect Level (DNEL)

Component	Oral	Dermal	Inhalation
Manganese sulphate; MnSO ₄ +1H ₂ O 7785-87-7 (1 - 5%)	37.6 mg/m ³	0.004 mg/kg bw/day	0.2 mg/m ³
Urea 57-13-6 (1 - 5%)		580 mg/kg bw/day	292 mg/m ³

Predicted No Effect Concentration (PNEC)

No data available

Component	Fresh Water	Freshwater sediment	Sea Water	Sea sediment	Soil	Impact on Sewage Treatment
Manganese sulphate; MnSO ₄ +1H ₂ O 7785-87-7 (1 - 5%)	0.013 mg/l	0.011 mg/kg	0 mg/l	0.001 mg/kg	25.1 mg/kg	25.1 mg/kg
Urea 57-13-6 (1 - 5%)	0.47 mg/l		0.047 mg/l			

8.2. Exposure controls**Personal protective equipment****Eye/Face Protection**

Wear eye/face protection

Hand protection

Gloves. Nitrile rubber (0.26 mm). Break through time. > 8 h.

Respiratory Protection

Not required; except in case of aerosol formation. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit

Skin and body protection:

Lightweight protective clothing

Hygiene Measures:

When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties****Physical State:**

Solid

Appearance:

granulate

Color:

Off-white, brown, grey.

Odor:

None

Bulk density:904 - 1054 kg/m³**Melting Point/Freezing Point:**

No data available

Boiling Point/Range:

Solid. Not applicable.

Flash Point:

Solid. Not applicable.

Evaporation Rate:	Solid. Not applicable.
Flammability (solid, gas):	Not flammable
Vapor Pressure:	Solid. Not applicable.
Vapour density	Solid. Not applicable.
Relative density	No data available
Water Solubility:	No data available
Solubility(ies)	No data available
Partition Coefficient:	Solid. Not applicable.
Autoignition Temperature:	No data available
Decomposition temperature:	No data available
Explosive Properties:	Doesn't present explosion hazard.
9.2. Other information	
VOC Content (%):	Solid. Not applicable.

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Not reactive.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing. 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 packaging should be closed well.

10.5. Incompatible materials

Keep away from catalysts like derivates of hexavalent chromium and metal halides. Keep away from flammable products (fuels) like charcoal, wood, flour, soot etc.

10.6. Hazardous decomposition products

None under normal processing. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Product Information

If this product is a mixture, the classification is not based on toxicology studies for this product, but is based solely on toxicology studies for ingredients found within this product. More detailed substance and/or ingredient information may be provided in the other sections of this SDS

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

Inhalation	Inhalation of dust in high concentration may cause irritation of respiratory system.
Eye contact	May cause slight irritation.
Skin Contact	May cause irritation.
Ingestion	May cause gastrointestinal discomfort if consumed in large amounts.

Information on Toxicological Effects

None known

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document:

ATEmix (oral): 17,153.00 mg/kg

Unknown Acute Toxicity: 0% of the mixture consists of ingredient(s) of unknown toxicity.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
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Magnesium oxide; MgO	= 3870 mg/kg (Rat) = 3990 mg/kg (Rat)		
Diiron trioxide; Fe ₂ O ₃	> 15 g/kg (Rat)		
Iron sulphate; FeSO ₄ +7H ₂ O	= 1520 mg/kg		
Manganese sulphate; MnSO ₄ +1H ₂ O	= 2125 mg/kg (Rat)		> 4.98 mg/L (Rat) 4h
Urea	= 8471 mg/kg (Rat)		
Zinc oxide; ZnO	> 5000 mg/kg (Rat)		
Calcium carbonate; CaCO ₃	= 6450 mg/kg (Rat)		
Zinc sulphate hepta hydrate; ZnSO ₄ +7H ₂ O	= 1260 mg/kg (Rat)		
Copper (I) oxide; Cu ₂ O	= 470 mg/kg (Rat)	> 2000 mg/kg (Rat)	= 2.92 mg/L (Rat) 4 h = 3.69 mg/L (Rat) 4 h
Copper sulfate pentahydrate; CuSO ₄ +5H ₂ O	= 960 mg/kg (Rat)	> 2 g/kg (Rat) > 8 g/kg (Rabbit)	

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

If this product is a mixture, the classification is not based on toxicology studies for this product, but is based solely on toxicology studies for ingredients found within this product. More detailed substance and/or ingredient information may be provided in the other sections of this SDS

Serious eye damage/eye irritation	Classification based on individual ingredients of the mixture.
Respiratory or skin sensitization	Classification based on individual ingredients of the mixture.
Germ Cell Mutagenicity	Classification based on individual ingredients of the mixture.
Carcinogenicity	Classification based on individual ingredients of the mixture.
Reproductive Toxicity	Classification based on individual ingredients of the mixture.
STOT - Single Exposure	Classification based on individual ingredients of the mixture.
STOT - Repeated Exposure	Classification based on individual ingredients of the mixture.
Aspiration Hazard	Classification based on individual ingredients of the mixture.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity**Ecotoxicity****Unknown Aquatic Toxicity**

Should not be released into the environment
11% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Urea	> 10000: 192 h Scenedesmus quadricauda mg/L EC50	16200 - 18300: 96 h Poecilia reticulata mg/L LC50	-	3910: 48 h Daphnia magna mg/L EC50 Static 10000: 24 h Daphnia magna Straus mg/L EC50
Copper (I) oxide; Cu ₂ O	0.055 - 0.076: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 0.021 - 0.037: 96 h Pseudokirchneriella subcapitata mg/L EC50 65: 96 h Desmodesmus subspicatus mg/L EC50	-	-	0.51: 48 h Daphnia magna mg/L EC50
Copper sulfate pentahydrate; CuSO ₄ +5H ₂ O	-	0.66 - 1.15: 96 h Lepomis macrochirus mg/L LC50 semi-static 0.96 - 1.8: 96 h Lepomis macrochirus	-	0.147 - 0.227: 48 h Daphnia magna mg/L EC50 Static

		mg/L LC50 static 0.6752: 96 h Pimephales promelas mg/L LC50 static 0.09 - 0.19: 96 h Oncorhynchus mykiss mg/L LC50 static 0.1478 - 0.165: 96 h Oncorhynchus mykiss mg/L LC50 flow-through		
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12.2. Persistence and degradability

Persistence and Degradability: No persistent or cumulative effects were observed.

12.3. Bioaccumulative potential

Bioaccumulation: Does not bioaccumulate.

Chemical Name	LOGPOW
Urea	-1.59

12.4. Mobility in soil No data available.

12.5. PBT and vPvB assessment No data available.

12.6. Other adverse effects No data available.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal of Wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging: Do not reuse container.

Other Information Use up product completely. Packaging material is industrial waste.

Section 14: TRANSPORT INFORMATION

IMO / IMDG

14.1
UN-No: Not regulated

14.2
Proper shipping name: Not regulated

14.3
Hazard Class: Not regulated

14.4
Packing group: Not regulated

14.5
Marine Pollutant: No information available

14.6
Special Provisions None

14.7
Bulk transport according Annex II of MARPOL and IBC Code No data available

ADR/RID

14.1
UN-No: Not regulated

14.2
Proper shipping name: Not regulated

14.3
Hazard Class: Not regulated

14.4
Packing group: Not regulated

14.5 Environmental Hazard	Not regulated
14.6 Special Provisions	None

IATA

14.1 UN-No:	Not regulated
14.2 Proper shipping name:	Not regulated
14.3 Hazard Class:	Not regulated
14.4 Packing group:	Not regulated
14.5 Environmental Hazard	Not regulated
14.6 Special Provisions	None

Section 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Belgium****Denmark**

Denmark No data available

France

ICPE Not regulated

Germany

LGK (Germany) 13
 Water Endangering Class (WGK): 1 (Everris classification)
 Gefahrstoffverordnung (Germany) TRGS 511 Not regulated

Component	German WGK Section
Calcium sulphate dihydrate; CaSO ₄ +2H ₂ O 10101-41-4 (5 - 10%)	1
Magnesium oxide; MgO 1309-48-4 (1 - 5%)	1
Diiron trioxide; Fe ₂ O ₃ 1345-25-1 (1 - 5%)	NWG
Iron sulphate; FeSO ₄ +7H ₂ O 7782-63-0 (1 - 5%)	class 3
Manganese sulphate; MnSO ₄ +1H ₂ O 7785-87-7 (1 - 5%)	2
Urea 57-13-6 (1 - 5%)	1
Manganese oxide; MnO 1344-43-0 (0.1 - 1%)	class 3
Zinc oxide; ZnO 1314-13-2 (0.1 - 1%)	class 2
Calcium carbonate; CaCO ₃ 471-34-1 (0.1 - 1%)	NWG
Copper (I) oxide; Cu ₂ O 1317-39-1 (0.1 - 1%)	class 3
Copper sulfate pentahydrate; CuSO ₄ +5H ₂ O 7758-99-8 (< 0.1%)	class 3

15.2 Chemical safety assessment

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

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

Section 16: OTHER INFORMATION

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

- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects
- H302 - Harmful if swallowed
- H318 - Causes serious eye damage
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H373 - May cause damage to the kidneys/ liver/ eyes/ brain/ respiratory system/ central nervous system through prolonged or repeated exposure in contact with skin
- H411 - Toxic to aquatic life with long lasting effects
- H316 - Causes mild skin irritation

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 Labeling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

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 phrase: CLP (EU) specific hazard statement

LD50: Lethal dose, 50%.

LC50: Lethal concentration, 50%.

SVHC: Substance of Very High Concern.

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 (CLP).

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Issue Date

29-Jul-2015

Restrictions on use

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Reason for revision

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

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