

Safety Data Sheet

In accordance with Commission Regulation (EU) No 2020/878



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Revision: 1

TECNIFOL Calcium and TECNIFOL Calcium and Magnesium

SECTION 1		Identification of the substance/mixture and of the company/undertaking
1.1	Product identifier	
	Trade name	TECNIFOL Calcium and TECNIFOL Calcium and Magnesium
	Synonyms	LIQUID INORGANIC FERTILIZERS
	Code	DS-088
	Chemical name	-
	Chemical formula	-
	Index Number	Not applicable.
	EINECS Number	Not applicable
	CAS Number	Not applicable.
	Registration Number	It is a mixture and therefore has no registration number.
	UFI	EEW0-V085-400T-S1S7
1.2	Relevant identified uses of the substance or mixture and uses advised against	
	Application of the substance / the mixture	Fertilisers
	Uses advised against	Others than those indicated.
1.3	Details of the supplier of the safety data sheet	ADP Fertilizantes, S.A. Avenida Termo de Lisboa, 24-30, Salgados da Póvoa Apartado 88 2616-907 ALVERCA DO RIBATEJO PORTUGAL (00351) 210 300 400 e-mail: fdsinfo@grupofertiberia.com
1.4	Emergency telephone number	SOPAC - Sociedade Produtora de Adubos Compostos(00351) 265 304 496 (Office hours only; Monday-Friday; 09:00-18:00)
SECTION 2		Hazards identification
2.1	Classification of the substance or mixture according Regulation (EC) n° 1272/2008 (CLP)	GHS05 Eye Dam. 1 H318 Causes serious eye damage.

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2.2	Label elements	
	Hazard pictograms	
	Signal word	Danger
	Hazard-determining components of labelling	Magnesium nitrate
	Hazard statements	H318 Causes serious eye damage.
	Precautionary statements	<p>P102 Keep out of reach of children.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P280 Wear eye protection / face protection.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER/doctor.</p> <p>P501 Dispose of contents/container in accordance with local/regional/national/international regulations.</p>
	Additional information	Not applicable.
	Supplemental information on the label	Not applicable.
	Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not applicable.
	Special packaging requirements	Not applicable.
	Containers to be fitted with child-resistant fastenings	Not applicable.
	Tactile hazard warning	Not applicable.
2.3	Other hazards	
	Other hazards which do not result in classification	None known.
	Results of the PBT and vPvB assessment	Not applicable. Not applicable.

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	Determination of endocrine disrupting properties	None substance listed.					
SECTION 3 Composition/information on ingredients							
3.1 Substances							
Not applicable.							
3.2 Mixtures							
	Name	Index Number	CE number	CAS number	Registration number	%(P/P)	Classification Regulation CE N^a 1272/2008
	Aqueous solution of magnesium nitrate (<5% calcium nitrate and <5% nitric acid)	-	233-826-7	10377-60-3	01-2119491164-38-XXXX	30-40%	Eye Dam. 1 H318
	Calcium chloride	017-013-00-2	233-140-8	10043-52-4	01-2119494219-28-XXXX	20-40%	Eye Irrit. 2 H319
	Borax anhydrous	005-011-00-4	215-540-4	1330-43-4	01-2119490790-32-XXXX	< 4,5%	Repr. 1B H360FD; Repr. 1B H360
	Additional indications		For the wording of the listed hazard phrases refer to section 16.				
SECTION 4 First aid measures							
4.1 Description of first aid measures							
	General information	Provide medical assistance to those affected. People who dispense first aid are advised to wear personal protective equipment. There may be delayed effects on exposure.					
	Inhalation	Remove from exposure. In severe cases, or if recovery is not rapid or complete, seek medical attention.					
	Ingestion	Rinse mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell, seek medical attention.					
	Skin contact	Rinse with plenty of water. Remove contaminated clothing and wash before reuse. If irritation persists, seek medical attention.					
	Eye contact	Immediately remove contact lenses and flush eyes with plenty of lukewarm water for at least 15 minutes. If irritation, pain, swelling, excessive tearing or sensitivity to light persists, the patient should be seen at a health center and referral to an ophthalmologist should be considered.					
4.2 Most important symptoms and effects, both acute and delayed							
	Eye contact	Redness, itching, burning.					
	Inhalation	Difficulty in breathing.					
	Skin contact	No significant effects or critical hazards are known.					
	Ingestion	Nausea, vomiting, coughing,					
4.3 Indication of any immediate medical attention and special treatment needed							

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No action involving personal risk or without adequate training should be taken. Avoid direct mouth-to-mouth resuscitation, as it can be dangerous for the person providing the help. Use other methods for resuscitation, preferably oxygen or compressed air equipment. Treat according to the following indications:

Notes to physician	Treat symptomatically.
Specific treatments	There is no specific treatment. It depends on specialized medical observation.

SECTION 5 Firefighting measures

5.1 Extinguishing media

The product is not flammable.

Suitable extinguishing agents	Dry powder, carbon dioxide (CO ₂), foam.
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Unsuitable extinguishing agents for safety reasons	None.
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5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Hazardous thermal decomposition products	Nitrogen oxides, chlorine or hydrogen chloride.
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5.3 Advice for firefighters

Open warehouse doors and windows for maximum ventilation. Fire-fighting personnel should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face mask operating in positive pressure mode. Clothing for fire-fighting personnel (including helmets, protective boots) should conform to European standard EN 469 and gloves to EN 659. It should provide a basic level of protection for chemical incidents and should be fire resistant. The facility shall have sufficient protective equipment available to deal with fires.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

For non-emergency personnel

Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. In case of non-flammable spills and leaks, wear vapor protective clothing. Stop leak if you can do so without risk. Keep unnecessary persons away, isolate the danger area and prevent entry. Eliminate sources of combustion.

Keep upwind, out of low areas and ventilate confined spaces before entering. Assess the affected area to determine if evacuation is necessary. If it is necessary to evacuate the danger zone, you should follow the advice of an expert. If sheltering in place, tape windows and doors, close outside air intakes (attic fans, etc.) and place a damp towel or cloth over your face (if necessary).

For emergency responders

If specialized clothing is required to deal with the spill, make note of any information on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

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	In case of accidental spills and leaks avoid dispersal of spilled material, runoff and contact with soil, watercourses (surface and groundwater), drains and sewers. Inform the competent authorities if the product has caused adverse impacts (sewers, watercourses, soil or air).	
6.3	Methods and material for containment and cleaning up	
	In case of accidental spills and leaks, avoid dispersal of spilled material. Use water spray or foam to control vapors. Make a protective barrier and ensure closure of drains with suitable containment material. Absorb with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep and shovel into suitable containers for disposal.	
6.4	Reference to other sections	
	See Section 1 for information on contact in case of emergency See Section 8 for information on personal protection equipment. See Section 13 for disposal information.	
SECTION 7	Handling and storage	
7.1	Precautions for safe handling	
	Technical precautionary measures	Wear appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering food areas. Avoid contact with eyes, skin or clothing. Do not breathe vapours or mist. Do not ingest. Avoid release to the environment. Keep in original container or approved alternative made of compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residues and may be hazardous. Do not reuse container.
	Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
7.2	Conditions for safe storage, including any incompatibilities	
	Avoid contact and packaging with incompatible substances or mixtures. See section 10; Avoid proximity to potential sources of ignition (including electrical equipment); Store in a place that avoids adverse weather conditions (high temperatures); Avoid direct sunlight; Ensure good ventilation of the storage area. Ensure that the quantities that can be stored are not exceeded. See section 15.	
7.3	Specific end use(s)	
	Use only as described in section 1.2.	

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SECTION 8		Exposure controls/personal protection			
8.1		Control parameters			
		Occupational exposure	There is no limit of occupational exposure value.		
		Recommended monitoring procedures	<p>If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of ventilation or other control measures and/or the need to use respiratory protective equipment. Monitoring standards such as the following may be used as reference: European Standard EN 689 (Atmospheres in the workplace. Guidelines for the evaluation of inhalation exposure of chemical agents for comparison with limit values and measurement strategy), European Standard EN 14042 (atmospheres in the workplace. Guidelines for the application and use of procedures to assess exposure to chemical and biological agents) European Standard EN 482 (atmospheres in the workplace. General requirements for the performance of procedures for measuring chemical agents). National guidance documents on methods for the determination of hazardous substances should also be used as a reference.</p>		
		Derived effect levels	No DELs available.		
		Predicted effect concentrations	No PECs available.		
		Ingredients with limit values that require monitoring at the workplace	CAS: 1330-43-4 boric acid, disodium salt LEP (ES) Short-term value: 6 mg/m ³ , Long-term value: 2 mg/m ³ TR1B, r		
DNEL					
Substance				10377-60-3	10043-52-4
				Magnesium nitrate	Calcium chloride
	Inhalation (mg/m³)	Long-term	Systemic	No hazard has been identified	No hazard has been identified
			Local	No hazard has been identified	No hazard has been identified
		Short-term	Systemic	No hazard has been identified	5 mg/m ³
			Local	No hazard has been identified	10 mg/m ³
				Systemic	No hazard has been identified

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	Industrial/Professional worker	Dermal (mg/kg pc/día)	Long-term	Local	No hazard has been identified	No hazard has been identified
			Short-term	Systemic	No hazard has been identified	No hazard has been identified
				Local	No hazard has been identified	No hazard has been identified
		Ocular (mg/kg pc/día)	Long-term	Systemic	Not available	Not available
				Local	Not available	Not available
			Short-term	Systemic	No hazard has been identified	Medium risk (no threshold was derived)
	Local			No hazard has been identified	Medium risk (no threshold was derived)	
	Inhalation (mg/m3)		Long-term	Systemic	No hazard has been identified	No hazard has been identified
				Local	No hazard has been identified	No hazard has been identified
		Short-term		Systemic	No hazard has been identified	2,5 mg/m3
				Local	No hazard has been identified	2,5 mg/m3
		Long-term	Systemic	No hazard has been identified	No hazard has been identified	
			Local	No hazard has been identified	No hazard has been identified	

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	Consumer	Dermal (mg/kg pc/day)	Short-term	Systemic	No hazard has been identified	No hazard has been identified	
				Local	No hazard has been identified	No hazard has been identified	
	Oral (mg/kg pc/day)	Long-term	Systemic	No hazard has been identified	No hazard has been identified		
			Local	No hazard has been identified	No hazard has been identified		
		Short-term	Systemic	Not available	Not available		
			Local	Not available	Not available		
	Ocular (mg/kg pc/day)	Long-term	Systemic	Not available	Not available		
			Local	Not available	Not available		
		Short-term	Systemic	No hazard has been identified	Medium risk (no threshold was derived)		
			Local	No hazard has been identified	Medium risk (no threshold was derived)		
	PNEC						
	Substance					10377-60-3	10043-52-4
						Magnesium nitrate	Calcium chloride
	Fresh water (mg/L)					No hazard has been identified	No hazard has been identified
Salt water (mg/L)					No hazard has been identified	No hazard has been identified	
STP (mg/L)					18 mg/L	No hazard has been identified	
Fresh water sediment (mg/L)					No hazard has been identified	No hazard has been identified	

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	Salt water sediment (mg/L)	No hazard has been identified	No hazard has been identified
	Air (mg/L)	No hazard has been identified	No hazard has been identified
	Soil (mg/L)	No hazard has been identified	No hazard has been identified
	Predators (secondary poisoning) (mg/L)	The substance has no bioaccumulation potential	The substance has no bioaccumulation potential
	Components with biological limit values	Non-existent.	
	Additional indications	The Occupational exposure limits lists valid during the making were used as basis.	
8.2	Exposure controls		
	Appropriate engineering controls	<ul style="list-style-type: none"> - Ensure adequate ventilation. - Apply technical measures to comply with professional exposure limits. - Consult the protective measures listed in sections 7 and 8. 	
	Personal protective measures, such as personal	General protection and hygiene measures	<p>Wash completely the hands, forearms and face after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.</p> <p>Use the appropriate techniques to remove the contaminated clothes. Wash the contaminated clothes before reusing. Verify that the eyes washing stations and safety showers were near to working stations.</p>
		Respiratory protection	If dust concentration is high and/or ventilation is inadequate, use a dust mask or a mask with a suitable filter (e.g. EN 143, 149, filter P1).
		Hand protection	Wear suitable gloves (e.g. rubber or PVC) when handling the product for long periods of time.
		Glove material	Nitrile rubber, NBR
		Other	Use personal protective equipment during use and handling of the product.

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	protective equipment	Eye/face protection	Safety eyewear complying with an approved standard EN 166:2002 should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, use the following protection, unless the assessment indicates a higher degree of protection: safety glasses with side shields. Recommended: Eyewear, mask or other protection that covers the entire face must be used if there is a possibility of being exposed to aerosols or splashes, or if hot material is handled.
			Thermal hazards
	Environmental exposure controls	General ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.	
SECTION 9	Physical and chemical properties		
9.1	Information on basic physical and chemical properties		
	Physical state	Liquid	
	Colour	Colourless	
	Odour	Light	
	Odour threshold	Not available.	
	Melting point/freezing point	Not available.	
	Initial boiling point and boiling range	100°C	
	Flammability	Non-flammable	
	Upper/lower flammability or explosive limits		
	Lower	Not determined.	
	Upper	Not determined.	
	Flash point	Not applicable due to physico-chemical characteristics	
	Auto-ignition temperature	Not available.	
	Decomposition temperature	Not determined.	
	pH	4-6	
	Viscosity		
	Kinematic	Not determined.	
	Dynamic	Not determined.	
	Solubility		
	In water	Fully miscible.	
	Partition coefficient: n-octanol/water	Not available.	
	Vapour pressure	Not determined.	
	Density and/or relative density	1,2-1,5	
	Relative vapour density	Not available.	
	Particle characteristics	Not applicable due to physico-chemical characteristics	

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9.2	Other information	
	Appearance	Liquid
	Explosives properties	Not explosive
	Oxidizing properties	Not available
	Information with regard to physical hazard classes	
	Explosives	Not applicable due to physico-chemical characteristics.
	Flammable gases	Not applicable due to physico-chemical characteristics.
	Aerosols	Not applicable due to physico-chemical characteristics.
	Oxidising gases	Not applicable due to physico-chemical characteristics.
	Gases under pressure	Not applicable due to physico-chemical characteristics.
	Flammable liquids	Not applicable due to physico-chemical characteristics.
	Flammable solids	Not applicable due to physico-chemical characteristics.
	Pyrophobic liquids	Not applicable due to physico-chemical characteristics.
	Pyrophobic solids	Not applicable due to physico-chemical characteristics.
	Self-reactive substances and mixtures	Not applicable due to physico-chemical characteristics.
	Substances and mixtures, which emit flammable gases in contact with water	Not applicable due to physico-chemical characteristics.
	Oxidising liquids	Not applicable due to physico-chemical characteristics.
	Oxidizing solids	Not applicable due to physico-chemical characteristics.
	Organic peroxides	Not applicable due to physico-chemical characteristics.
	Corrosive to metals	Not applicable due to physico-chemical characteristics.
	Desensitised explosives	Not applicable due to physico-chemical characteristics.
	Other safety characteristics	
	Mechanical sensitivity	Not applicable due to physico-chemical characteristics.
	Self-accelerating polymerisation temperature	Not applicable due to physico-chemical characteristics.

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	Formation of explosible dust/air mixtures	Not applicable due to physico-chemical characteristics.
	Acid/alkaline reserve	Not applicable due to physico-chemical characteristics.
	Evaporation rate	Not available.
	Miscibility	Not available.
	Conductivity	Not applicable due to physico-chemical characteristics.
	Corrosiveness	Not applicable due to physico-chemical characteristics.
	Gas group	Not applicable due to physico-chemical characteristics.
	Redox potential	Not applicable due to physico-chemical characteristics.
	Radical formation potential	Not applicable due to physico-chemical characteristics.
	Photocatalytic properties	Not applicable due to physico-chemical characteristics.
SECTION 10	Stability and reactivity	
10.1	Reactivity	Stable under recommended storage conditions.
10.2	Chemical stability	Chemically stable under the indicated storage, handling and use conditions.
10.3	Possibility of hazardous reactions	By thermal decomposition, it can produce nitrogen oxides, hydrogen chloride and chlorine.
10.4	Conditions to avoid	Welding work or work involving the heating of equipment that has contained the product without first washing it to remove all traces.
10.5	Incompatible materials	Avoid mixing with combustible materials, reducing agents, bases and metals.
10.6	Hazardous decomposition products	In case of fire: see section 5.

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SECTION 11	Toxicological information					
11.1	Information on hazard classes as defined in Regulation (EC) No 1272/2008					
Acute toxicity						
Component	CAS number	Method	Species	Route	Result	
Magnesium nitrate	10377-60-3	OECD 423 Not specified	Rat Rat	Oral Cutaneous	DL50 > 2000 mg/kg bw. DL50 > 5000 mg/kg bw.	
Calcium chloride	10043-52-4	OECD 401 Not specified	Rat Rat	Oral Cutaneous	DL50: 2301 mg/kg bw. DL50: 5000 mg/kg bw.	
Based on available data, the classification criteria are not met.						
Skin corrosion/irritation						
Component	CAS number	Method	Species	Route	Result	
Magnesium nitrate	10377-60-3	OECD 404	Rabbit	Cutaneous	Non irritant	
Calcium chloride	10043-52-4	OECD 404	Rabbit	Cutaneous	Non irritant	
Based on available data, the classification criteria are not met.						
Serious eye damage/irritation						
Component	CAS number	Method	Species	Route	Result	
Magnesium nitrate	10377-60-3	OECD 405	Rabbit	Ocular	Category 1. Causes serious eye damage.	
Calcium chloride	10043-52-4	OECD 405	Rabbit	Ocular	Category 2. Causes severe eye irritation.	
Causes serious eye damage.						
Respiratory or skin sensitisation						
Component	CAS number	Method	Species	Route	Result	
Magnesium nitrate	10377-60-3	OECD 429	Mouse	Cutaneous	Non sensitising	
Calcium chloride	10043-52-4	-	-	-	Non sensitising	
Based on available data, the classification criteria are not met.						
Germ cell mutagenicity						
Component	CAS number	Method	Species		Result	

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Magnesium nitrate	10377-60-3	OECD 471 OECD 473 OECD 476	Bacteria Cromosomal aberration Mutation of mammal cells	Non mutagenic
Calcium chloride	10043-52-4	OECD 473	Cromosomal aberration .	Non mutagenic

Based on available data, the classification criteria are not met.

Carcinogenicity

Component	CAS number	Method	Species	Route	Result
Magnesium nitrate	10377-60-3	-	-	-	Not available
Calcium chloride	10043-52-4	-	-	-	No studies are available but there is information leading to the conclusion that the substance is not carcinogenic.

Based on available data, the classification criteria are not met.

Reproductive toxicity

Component	CAS number	Method	Species	Route	Result
Magnesium nitrate	10377-60-3	OECD 422	Rat	Oral	Effects on fertility: NOAEL \geq 1500 mg/kg bw/d. Toxicity for the development: NOAEL \geq 1500 mg/kg bw/d
Calcium chloride	10043-52-4		Rat	Oral	Toxicity for the development: NOAEL: 169 mg/kg bw/d

Based on available data, the classification criteria are not met.

STOT- single exposure

Component	CAS number	Method	Species	Route	Result
Magnesium nitrate	10377-60-3	Not available	Not available	Not available	Not available
Calcium chloride	10043-52-4	Not available	Not available	Not available	Not available

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Component	CAS number	Method	Species	Route	Result
Magnesium nitrate	10377-60-3	OECD 422	Rat	Oral	NOAEL \geq 1500 mg/kg bw/d

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	Calcium chloride	10043-52-4	-	-	-	According to column 2 of Annex VIII and IX of REACH, it is not necessary to carry out repeated dose studies if the substance undergoes immediate degradation.
Based on available data, the classification criteria are not met.						
Aspiration hazard						
	Component	CAS number	Result			
	Magnesium nitrate	10377-60-3	No significant effects or critical hazards are known.			
	Calcium chloride	10043-52-4	No significant effects or critical hazards are known.			
Based on available data, the classification criteria are not met.						
11.2	Information on other hazards					
	Endocrine disruptive properties					
	Not available					
	Other information					
	Not available					
SECTION 12 Ecological information						
12.1	Toxicity					
	Aquatic toxicity					
	Component	N° CAS		Fish	Crustacea	Algae
	Magnesium nitrate	10377-60-3	Short term	CL50(96h) > 100 mg/l	NOEC: 157 mg/l	CE50(48h): 490 mg/l
			Long term	Not available	CE50(72h): 1700 mg/l	CE10/NOEC: 1700 mg/l
	Calcium chloride	10043-52-4	Short term	CL50 > 6660 mg/l	NOEC: 230 mg/l	CE50: 2400 mg/l
			Long term	LOEC: 240 mg/l	Not available	Not available
	Terrestrial toxicity					
	Component	N° CAS	Macro-organism	Micro-organism	Terrestrial plants	Other organisms
	Magnesium nitrate	10377-60-3	Not available	Not available	Not available	-
	Calcium chloride	10043-52-4	CL20: 30 g/m2	Not available	Not available	-
	Microbiological activity in wastewater treatment plants					
	Component	N° CAS	Toxicity to aquatic micro-organisms			
	Magnesium nitrate	10377-60-3	CE50 > 1000 mg/l NOEC: 180 mg/l			
	Calcium chloride	10043-52-4	NOAEL: 20000 mg/l			

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12.2	Persistence and degradability				
	Component	Nº CAS	Degradation		
	Magnesium nitrate	10377-60-3	Hydrolysis	Hydrolysis is not seen. It is not necessary.	
			Photolysis	Not available.	
			Biodegradation	According to Annex VII of REACH, It is not necessary to carry out biodegradability studies since the substance is inorganic.	
	Calcium chloride	10043-52-4	Hydrolysis	Scientifically not necessary	
			Photolysis	Not available.	
			Biodegradation	Not available.	
12.3	Bioaccumulative potential				
	Component	Nº CAS	Octanol-water partition coefficient (Kow)	Bioaccumulation factor (BFC)	Observations
	Magnesium nitrate	10377-60-3	-	-	Simple inorganic salts with high solubility in water exist dissociated in an aqueous solution. This type of substance has a low bioaccumulation potential.
	Calcium chloride	10043-52-4	-	-	Calcium chloride is easily dissociated into calcium ion and chloride, both of which are essential constituents of the body so that a high intake would be regulated by the body. Bioaccumulation of calcium chloride is not expected to occur.
12.4	Mobility in soil				
	Component	Nº CAS	Result		
	Magnesium nitrate	10377-60-3	Simple inorganic salts have a high solubility in water and exist dissociated in aqueous solution. This type of substance has a low adsorption potential.		
	Calcium chloride	10043-52-4	Not available.		
12.5	Results of PBT and vPvB assessment				
	Not applicable.				
12.6	Endocrine disrupting properties				
	The product does not contain substances with endocrine disrupting properties.				
12.7	Other adverse effects				
	Significative effects or critcs risks are not known.				

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SECTION 13 Disposal considerations					
13.1 Waste treatment methods					
	Methods of disposal	<p>Waste management (disposal and recovery): Consult the authorised waste manager for recovery and disposal operations, in accordance with Annex 1 and Annex 2 (Directive 2018/851/EC). Packaging: According to codes 15 01 (Commission Decision 2014/955/EU), if the packaging has been in direct contact with the product, it should be treated in the same way as the product itself, otherwise it should be treated as non-hazardous waste. Discharge into waste water is not recommended. See section 6.2.</p> <p>Waste management provisions: In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH), the Community or national provisions on waste management are presented. Community legislation: Directive 2018/851/EC, Commission Decision 2014/955/EU, Regulation (EU) no. 1357/2014 and the national legislation.</p>			
	Hazardous waste code	HP4: Irritant - skin irritation and eye damage			
SECTION 14 Transport information					
	Regulatory information	ADR/RID	ADNR	IMDG	IATA
14.1	UN number	-			
14.2	UN proper shipping name	-		-	
14.3	Transport hazard class(es)				
	Class	-		-	
	Label	-		-	
14.4	Packing group	-			
14.5	Environmental hazards	Product not classified as hazardous to the aquatic environment.			
14.6	Special precautions for user	Not defined. Note the relevant information, e.g. on handling, in other sections of this document.			
14.7	Maritime transport in bulk according to IMO instruments	Not applicable.			

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SECTION 15	Regulatory information	
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
	GB Regulation (EC) No 1907/2006 (REACH)	This product complies with the REACH Regulation.
	SEVESO Category	Not applicable
	Qualifying quantity (tonnes) for the application of lower-tier requirements	Not applicable
	Qualifying quantity (tonnes) for the application of upper-tier requirements	Not applicable
	Named dangerous substances - ANNEX VI (CLP)	Contains calcium chloride as per Index entry: 017-013-00-2. Contains anhydrous borax according to Index entry: 005-011-00-4.
	Regulation (EC) No 1907/2006 - ANNEX XVII	Restriction No. 3
	REGULATION (EU) 2019/1148	
	Annex I - Restricted Explosives Precursors (Upper limit value for licensing purposes under Article 5(3))	None substance listed.
	Annex II - Reportable Explosives Precursors	None substance listed.
	Regulation (EC) No 273/2004 on Drug Precursors	None substance listed.
	Regulation (EC) No 111/2005 laying down rules for the monitoring and trade in drug precursors between the Community and third countries.	None substance listed.
	Regulation (UE) 2009/1009	This product complies with the Fertilizer Regulation.
	Regulation (EC) No. 1272/2008 (CLP)	This product complies with the CLP Regulation.
	Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.	Not applicable.
	Regulation (EC) No 649/2012 concerning the export and import of dangerous chemicals.	Not applicable.

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	PBT/mPmB Evaluation	Not applicable.
15.2	Chemical safety assessment	
	A chemical safety assessment has not been carried out as it is a mixture (exempted from registration).	
SECTION 16	Other information	
	Relevant phrases	H318 Causes serious eye damage. H319 Causes serious eye irritation. H360 May damage fertility or the unborn child.
	Abbreviations and acronyms	ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road). STP: Sewage treatment plant. OECD: Organisation for Economic Co-operation and Development. NOAEL: No observed adverse effect level.. IMDG: International Maritime Code for Dangerous Goods. IATA: International Air Transport Association. GHS: Globally Harmonised System of Classification and Labelling of Chemicals. CAS: Chemical Abstracts Service (division of the American Chemical Society). DNEL: Derived No-Effect Level (REACH). PNEC: Predicted No-Effect Concentration (REACH).
	Data compared to the previous version altered	Correction of errors in the sections 13, 14 and 15. New data on the SDS supplier.
	References	This safety data sheet has been prepared in accordance with: - ANNEX II: Guidance for the preparation of Safety Data Sheets of Regulation (EC) No 1907/2006 (Regulation (EU) 2015/830) based on the data included in the chemical safety report of registered substances. - Guidance available on the European Chemicals Agency (ECHA) website: (http://echa.europa.eu/). - Guidance for the compilation of safety data sheets for fertilizer materials (www.fertilizerseurope.com).
	Methods used for the classification of the mixture (Article 9 of Regulation (EC) No 1272/2008)	Classification and Labeling in accordance with the principle of extrapolation of Regulation No. 1272/2008 (CLP).

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Advice on any training appropriate for workers to ensure protection of human health and the environment

Minimum training in the prevention of occupational hazards is recommended for personnel who will handle this product, in order to facilitate the understanding and interpretation of this safety data sheet, as well as the product label.

The information contained in this safety data sheet is provided in good faith and its accuracy is based on knowledge of the product at the time of publication. The information presented is only intended to describe the product from the point of view of human and environmental protection and safety, and therefore cannot be regarded as product specifications. It does not imply acceptance of any commitment or legal responsibility on the part of the Company, for the consequences of its use or misuse in any circumstances. The information provided is considered accurate and current at the time of this edition, referring only to the product and may not be valid in compositions or formulations with other products. The responsibility for its use belongs to the users.