

Safety Data Sheet

In accordance with Commission Regulation (EU) No 2015/830



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Double calcium ammonium nitrate salt

SECTION 1		Identification of the substance/mixture and of the company/undertaking
1.1	Product identifier	
	Trade name	Nitrato de Calcio, Soluteck-Nitrato de cálcio Rega; Nitrato de cálcio Técnico; Nitrogal; Fertibersol; Technical Calcium Nitrate; Horticultural/Agricultural Grade
	Synonyms	Nitric acid, ammonium and calcium salt (Nitric acid, ammonium calcium salt)
	Code	DS-007
	Chemical name	Nitric acid, ammonium and calcium salt (Nitric acid, ammonium calcium salt)
	Chemical formula	$5\text{Ca}(\text{NO}_3)_2 \cdot \text{NH}_4\text{NO}_3 \cdot 10\text{H}_2\text{O}$
	Index Number	Not applicable
	EINECS Number	239-289-5
	CAS Number	15245-12-2
	Registration Number	01-2119493947-16-0003
1.2	Relevant identified uses of the substance or mixture and uses advised against	
	Application of the substance / the mixture	Use by professionals: - Professional use of the substance as a fertilizer. - Professional use: mixing of the substance on site for the production of cement and concrete curing agent in the manufacture of refractory bricks and as a hardener in asphalt coatings for construction. - Professional use: handling and use of the chemical in wastewater flow. - Professional use of the substance as a heat transfer fluid. - Professional use in soil remediation. Consumer use: - Use of the substance as fertilizer. Use by workers in industrial environments: - Production of the substance, including handling, storage and quality control.

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	Application of the substance / the mixture	<p>Distribution, storage and quality control. Industrial context.</p> <ul style="list-style-type: none"> - Industrial use for the manufacture of cement and concrete curing agent for refractory bricks. Hardener in asphalt layers for construction. - Industrial use: use in wastewater treatment for septicity control, odor elimination, corrosion inhibition. - Industrial use: production of latex-based printing inks. - Use as an intermediate agent or chemical agent for the synthesis of other substances or articles. - Industrial use in the production of antibiotics, in the cultivation of bacteria and as a main source for the synthesis of high purity calcium products. - Industrial use for the recycling of plastic materials. - Industrial use, to rinse coated metals as part of the curing process to improve coating performance. - For industrial use of the substance as a heat transfer fluid.
	Uses advised against	Others than those indicated.
1.3	Details of the supplier of the safety data sheet	<p>ADP – Fertilizantes, S.A. Estrada Nacional nº 10 2615-907 Alverca Portugal (00351) 210 300 400 e-mail: fdsinfo@grupofertiberia.com</p>
1.4	Emergency telephone number	<p>ADP - Fertilizantes, S.A Alverca +351 210 300 400 (Only available during office hours; Monday-Friday; 09:00-18:00)</p>
SECTION 2 Hazards identification		
2.1	Classification of the substance or mixture according Regulation (EC) n° 1272/2008 (CLP)	<p>Acute Tox. 4 H302 Harmful if swallowed Eye Dam. 1 H318 Causes serious eye damage.</p>
2.2	Label elements	
	Hazard pictograms	
	Signal word	Danger
	Hazard-determining components of labelling	Nitric acid, ammonium and calcium salt
	Hazard statements	<p>H302 Harmful if swallowed H318 Causes serious eye damage.</p>

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	Precautionary statements	<p>P102 Keep out of reach of children. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/protective clothing/eye keep comfortable for breathing. P301+P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. P330 Rinse mouth. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor. P501 Dispose of contents/container in accordance with local/regional/national/international regulations..</p>	
	Additional information	Acquisition, possession or use by private individuals is subject to notification.	
	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.	
SECTION 3	Composition/information on ingredients		
3.1	Substances		
	Name	EC Number	CAS Number
	Nitric acid, ammonium and calcium salt	239-289-5	15245-12-2

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3.2	Mixtures	
	Not applicable.	
	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	Do not perform any action that involves personal risk or without proper training. Avoid direct mouth-to-mouth resuscitation, as this can be dangerous for the person providing assistance. Use other methods for resuscitation, preferably oxygen or compressed air equipment. Treat according to the following indications:
	Inhalation	Fresh air and rest.
	Ingestion	If large amounts of this material are swallowed, call a physician immediately. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.
	Skin contact	Rinse immediately with plenty of water.
	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. Pain. Severe and deep burns.
	Inhalation	There are no known significant effects or critical hazards.
	Skin contact	Redness, itching, stinging.
	Ingestion	Nausea, vomiting, coughing,
4.3	Indication of any immediate medical attention and special treatment needed	
	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:	

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	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	Water spray, foam, dry powder or carbon dioxide.
	Unsuitable extinguishing agents for safety reasons	High volume water jet.
5.2	Special hazards arising from the substance or mixture	
	<p>The solution is not flammable.</p> <p>Ammonia may be released from the solution but it is unlikely that in free air the ammonia-air mixture will be within flammable limits.</p> <p>In confined spaces the flammable limits may be reached.</p> <p>A closed container containing ammonia solution may explode if exposed to fire or heated.</p>	
	Hazardous thermal decomposition products	Sulfur oxides (SOx) Carbon monoxide may be formed in case of incomplete combustion.
5.3	Advice for firefighters	
	<p>Open warehouse doors and windows for maximum ventilation.</p> <p>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.</p>	
SECTION 6	Accidental release measures	
6.1	Personal precautions, protective equipment and emergency procedures	

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	<p>To avoid projections of toxic liquid by overflowing from both containers and tanks during loading or unloading operations, the following spill prevention measures shall be adopted:</p> <p>(a) In receptacles: The protection system on receptacles shall depend on the type of installation; so as to ensure that there is no overfilling of receptacles by means of two independent safety features; e.g. level indicators and independent high level alarm. The shut-off valve may be either automatic or manually operated.</p> <p>In port installations, constant observation of the container level by an operator connected by radiotelephone or other effective means of communication with the operator of the shut-off valve is permitted.</p> <p>(b) In tanks: The provisions laid down in the Royal Decree on the loading/unloading of dangerous goods shall be taken into account. When open-mouth loading is carried out, a diving tube shall be used to the bottom of the tank.</p> <p>(c) In hoses and loading arms: Dripping at the ends of the hoses and loading arms shall be avoided. If it does occur, it shall be adequately collected.</p>
	For non-emergency personnel
	Avoid contact with skin, eyes and respiratory tract. Avoid generation and spread of dust.
	For emergency responders
	With proper training, self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing used in conjunction with water spray will provide limited protection in outdoor emissions for short-term exposure.
6.2	Environmental precautions
	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
	Remove spillage mechanically or with a suction device equipped with a high efficiency filter. Collect in a container for recovery or incineration. Containers with collected spill should be properly labeled with correct contents and hazard symbol.
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

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	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	
	Keep only in the original container. Keep container tightly closed. Store in a cool, well-ventilated place, away from heat, direct sunlight and incompatible substances.	
7.3	Specific end use(s)	
	Use only as described in section 1.2.	
SECTION 8 Exposure controls/personal protection		
8.1	Control parameters	
	Occupational exposure limits	There is no limit of occupational exposure value.
	Recommended monitoring procedures	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.
	Derived effect levels	No DELs available.
	Predicted effect concentrations	No PECs available.
	Ingredients with limit values that require monitoring at the workplace	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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DNEL				
Substance				15245-12-2
				Nitric acid, ammonium and calcium salt
Industrial/Professional worker	Inhalation (mg/m3)	Long-term	Systemic	No hazard has been identified but no further information is needed as no exposure is expected to occur.
			Local	No hazard has been identified but no further information is needed as no exposure is expected to occur.
			Systemic	No hazard has been identified but no further information is needed as no exposure is expected to occur.
			Local	No hazard has been identified but no further information is needed as no exposure is expected to occur.
		Short-term	Systemic	No hazard has been identified but no further information is needed as no exposure is expected to occur.
			Local	No hazard has been identified but no further information is needed as no exposure is expected to occur.
			Systemic	No hazard has been identified
			Local	No hazard has been identified
	Dermal (mg/kg pc/dia)	Long-term	Systemic	No hazard has been identified
			Local	No hazard has been identified
		Short-term	Systemic	No hazard has been identified
			Local	No hazard has been identified
			Systemic	Not available
			Local	Not available

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Consumer		Ocular (mg/kg pc/día)	Short-term	Systemic	Medium risk (no threshold was derived)				
				Local	Medium risk (no threshold was derived)				
	Inhalation (mg/m3)			Long-term	Systemic	No hazard has been identified but no further information is needed as no exposure is expected to occur.			
					Local	No hazard has been identified but no further information is needed as no exposure is expected to occur.			
					Short-term	Systemic	No hazard has been identified but no further information is needed as no exposure is expected to occur.		
						Local	No hazard has been identified but no further information is needed as no exposure is expected to occur.		
				Dermal (mg/kg pc/day)			Long-term	Systemic	No hazard has been identified
								Local	No hazard has been identified
							Short-term	Systemic	No hazard has been identified
								Local	No hazard has been identified
	Oral (mg/kg pc/day)			Long-term	Systemic	No hazard has been identified			
					Local	10 mg/kg bw/d			
				Short-term	Systemic	Not available			
					Local	Not available			
				Ocular (mg/kg pc/day)			Long-term	Systemic	Not available
								Local	Not available
	Short-term	Systemic	Medium risk (no threshold was derived)						
		Local	Medium risk (no threshold was derived)						

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PNEC

Substance		15245-12-2 Nitric acid, ammonium and calcium salt
Fresh water (mg/L)		No hazard has been identified
Salt water (mg/L)		No hazard has been identified
STP (mg/L)		No hazard has been identified
Fresh water sediment (mg/L)		No hazard has been identified
Salt water sediment (mg/L)		No hazard has been identified
Air (mg/L)		No hazard has been identified
Soil (mg/L)		No hazard has been identified
Predators (secondary poisoning) (mg/L)		No hazard has been identified
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		<p>As a general rule, access shall be prohibited to unauthorised personnel. The prohibition shall be posted on a clearly visible and legible sign.</p> <p>Ventilation. Storerooms and loading and unloading or transfer facilities shall be designed with natural or forced ventilation so that the risk of exposure of workers is adequately controlled. For this purpose, the design shall take special account of the characteristics of the vapours to which they may be exposed and of the source of the emissions, their collection at source and their possible transmission to the environment of the storage or installation.</p> <p>Where they are located inside buildings, ventilation shall be channelled to a safe place outside through dedicated ducts, taking into account the permissible emission levels to the atmosphere. Where forced ventilation is used, it shall be provided with an alarm system in case of failure.</p> <p>Premises with pits or basements where vapours may accumulate shall have adequate forced ventilation in such pits or basements to prevent the accumulation of vapours.</p>
	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>

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	Personal protective measures, such as personal protective equipment	Respiratory protection	If exposure levels exceed or may exceed the recommended exposure limits, use suitable breathing apparatus e.g. mouth-face masks equipped with type K filters, self-contained breathing apparatus according to EN 136, 140 or 405.
		Hand protection	Chemical protective gloves According to standards: EN 374-1:2003 - EN 374-3:2003/AC:2006 - EN 420:2003+A1:2009. Replace gloves at any sign of deterioration.
		Glove material	PVC gloves
		Other	Use personal protective equipment during use and handling of the product.
		Eye/face protection	Use personal protective equipment during use and handling of the product.
		Thermal hazards	Not available.
	Environmental exposure controls	Under EU environmental protection legislation it is recommended to avoid release of the product and its packaging into the environment. For further information see section 6.2.	
SECTION 9	Physical and chemical properties		
9.1	Information on basic physical and chemical properties		
	Appearance	Solid	
	Colour	White	
	Odour	Inodorous	
	Odour threshold	Not available.	
	pH	5-7 (10%)	
	Melting point/freezing point	>400 °C	
	Initial boiling point and boiling range	Undetermined	
	Flash point	Not available	
	Evaporation rate	Not available	
	Flammability	Non-flammable	
	Upper/lower flammability or explosive limits		
	Lower	Not available.	
	Upper	Not available.	

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	Vapour pressure	Not available.				
	Vapour density	Not available.				
	Relative density	2.05 kg/m ³				
	Solubility					
	In water	100g/100 mL (20°C)				
	Partition coefficient: n-octanol/water	Not applicable				
	Auto-ignition temperature	Not available.				
	Decomposition temperature	Not available.				
	Viscosity					
	Kinematic	Not available				
	Dynamic	Not available				
	Explosive properties	The product is not explosive				
	Oxidising properties	Not available				
9.2	Other information	No additional information No further relevant information available.				
SECTION 10 Stability and reactivity						
10.1	Reactivity	Stable under recommended storage and handling conditions.				
10.2	Chemical stability	Chemically stable under the indicated storage, handling and use conditions.				
10.3	Possibility of hazardous reactions	When strongly heated, it decomposes releasing toxic vapors.				
10.4	Conditions to avoid	Proximity to sources of heat or fire. The substance decomposes when heated.				
10.5	Incompatible materials	Combustible materials, acids, alkalis, metals and reducing agents.				
10.6	Hazardous decomposition products	Nitrogen oxides (NO _x) (in case of fire).				
SECTION 11 Toxicological information						
11.1	Information on toxicological effects					
	Acute toxicity					
	Component	CAS number	Method	Species	Route	Result

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Nitric acid, ammonium and calcium salt	15245-12-2	OECD 423 OECD 402	Rat Rat	Oral Cutaneous	DL50: 300 mg/kg bw. DL50 > 2000 mg/kg bw.
Harmful if swallowed.					
Skin corrosion/irritation					
Component	CAS number	Method	Species	Route	Result
Nitric acid, ammonium and calcium salt	15245-12-2	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
Nitric acid, ammonium and calcium salt	15245-12-2	OECD 405	Rabbit	Ocular	Non irritant
Causes serious eye damage.					
Respiratory or skin sensitisation					
Component	CAS number	Method	Species	Route	Result
Nitric acid, ammonium and calcium salt	15245-12-2	OECD 429	Mouse	Cutaneous	Non sensitising
Based on available data, the classification criteria are not met.					
Germ cell mutagenicity					
Component	CAS number	Method	Species		Result
Nitric acid, ammonium and calcium salt	15245-12-2	OECD 471 OECD 473 OECD 476	Bacteria Cromosomal aberration Mutation of mammal cells		Non mutagenic
Based on available data, the classification criteria are not met.					
Carcinogenicity					
Component	CAS number	Method	Species	Route	Result
Nitric acid, ammonium and calcium salt	15245-12-2	-	-	-	Study scientifically not necessary
Based on available data, the classification criteria are not met.					
Reproductive toxicity					
Component	CAS number	Method	Species	Route	Result

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	Nitric acid, ammonium and calcium salt	15245-12-2	OECD 422	Rat	Oral	Effects on fertility: NOAEL: 1500 mg/kg bw/d. Toxicity for the development: NOAEL: 1500 mg/kg bw/d NOAEC: 25 mg/m ³
Based on available data, the classification criteria are not met.						
STOT- single exposure						
	Component	CAS number	Method	Species	Route	Result
	Nitric acid, ammonium and calcium salt	15245-12-2	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
	Nitric acid, ammonium and calcium salt	15245-12-2	OECD 407	Rat	Oral	NOAEL: 1000 mg/kg bw/d
Based on available data, the classification criteria are not met.						
Aspiration hazard						
	Component	CAS number	Result			
	Nitric acid, ammonium and calcium salt	15245-12-2	No significant effects or critical hazards are known.			
Based on available data, the classification criteria are not met.						
SECTION 12 Ecological information						
12.1 Toxicity						
Aquatic toxicity						
	Component	N° CAS		Fish	Crustacea	Algae
	Nitric acid, ammonium and calcium salt	15245-12-2	Short term	CL50(48h): 447 mg/l	Scientifically not necessary	CE50(48h) > 100 mg/l
			Long term	Not available	CE50(72h) > 100 mg/l	Not available
Terrestrial toxicity						
	Component	N° CAS	Macro-organism	Micro-organism	Terrestrial plants	Other organisms
	Nitric acid, ammonium and calcium salt	15245-12-2	Not available	Not available	Not available	-
Microbiological activity in wastewater treatment plants						
	Component	N° CAS	Toxicity to aquatic micro-organisms			

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	Nitric acid, ammonium and calcium salt	15245-12-2	CE50(3h) > 1000 mg/l CE10/NOEC: 180 mg/l		
12.2	Persistence and degradability				
	Component	N° CAS	Degradation		
	Nitric acid, ammonium and calcium salt	15245-12-2	Hydrolysis	It is an inorganic substance, soluble in water. It is a neutral salt; ions have little tendency to react with water. Hydrolysis is not relevant.	
			Photolysis	Not necessary	
			Biodegradation	Not necessary since the substance is inorganic	
12.3	Bioaccumulative potential				
	Component	N° CAS	Octanol-water partition coefficient (Kow)	Bioaccumulation factor (BFC)	Observations
	Nitric acid, ammonium and calcium salt	15245-12-2	Not applicable	-	-
12.4	Mobility in soil				
	Component	N° CAS	Result		
	Nitric acid, ammonium and calcium salt	15245-12-2	Simple inorganic salts have a high solubility in water and exist dissociated in aqueous solution. This type of substance has a low adsorption potential.		
12.5	Results of PBT and vPvB assessment				
	Not applicable.				
12.6	Other adverse effects				
	Significative effects or critical risks are not known.				
SECTION 13	Disposal considerations				
13.1	Waste treatment methods				

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	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, Law 7/2022 of 8 April, on waste and contaminated soil for a circular economy)..</p> <p>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 (UK 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 HP6: Acute toxicity			
SECTION 14 Transport information					
	Regulatory information	ADR/RID	ADNR	IMDG	IATA
The 1990 meetings of the United Nations RID/ADR subcommittee of experts on the transport of dangerous goods and the Dangerous Goods Code (CDG/IMO) meetings resulted in special provision No. commercial grade calcium, when composed primarily of a double salt (calcium nitrate and ammonium nitrate) containing not more than 10% ammonium nitrate and at least 12% water of crystallization, is considered non-hazardous".					
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. See the relevant information, such as handling, in other sections of this document.			
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.			
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 UK REACH Regulation.			

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	Named dangerous substances - ANNEX VI (CLP)	Not applicable.
	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.
	Regulation (EC) No 1907/2006 - ANNEX XVII	Not applicable.
15.2	Chemical safety assessment	
	This substance is not registered yet.	
SECTION 16 Other information		
	Relevant phrases	H302 Harmful if swallowed H318 Causes serious eye damage.
	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. 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 (UK REACH). PNEC: Predicted No-Effect Concentration (UK REACH). Ox. Sol. 3: Oxidizing solids – Category 3 Acute Tox. 4: Acute toxicity – Category 4 Eye Dam. 1: Serious eye damage/eye irritation – Category 1 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
	Data compared to the previous version altered	Adaptation to Regulation (EU) No. 2015/830.
	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) 2020/878) 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).

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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).

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.