

Safety Data Sheet

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



Publication date: 12.07.2023

Edition: 6

Revision date: 22.08.2022


Revision: 4

Ammonium nitrate fertilizer > 70% and <80% NA with mineral calcium sulfate

SECTION 1		Identification of the substance/mixture and of the company/undertaking
1.1	Product identifier	
	Trade name	Ammonium Nitrate 24.6 to 27% N with Sulfur (from mineral calcium sulfate). Nitramon 27S, Nitro S 27/12, NA 27 + S
	Synonym	NA 24.6 to 27 with S (from mineral calcium sulphate)
	Code	FDS-006
	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.
1.2	Relevant identified uses of the substance or mixture and uses advised against	
	Application of the substance / the mixture	Fertiliser Mixture manufacture
	Uses advised against	Others than those indicated.
1.3	Details of the supplier of the safety data sheet	Fertiberia, S.A. 27, Agustín de Foxa Street pta. 11 28036 Madrid Madrid (Spain) +34 91.586.62.00; fdsinfo@grupofertiberia.com
1.4	Emergency telephone number	Aviles factory: +34 985.57.78.50 Puertollano factory: +34 926.44.93.00 Sagunto Factory: +34 962.69.90.04 (Only available during office hours; 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)	Eye Irrit. 2 H319 Causes serious eye irritation.

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2.2	Label elements	
	Hazard pictograms	
	Signal word	Warning
	Hazard-determining components of labelling	Not applicable.
	Hazard statements	H319 Causes serious eye irritation.
	Precautionary statements	P102 Keep out of reach of children. P270 Do not eat, drink or smoke when using this product. P264 Wash thoroughly after handling. P280 Wear eye protection / face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.
	Additional information	Acquisition, possession or use by private individuals is subject to restrictions.
	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.

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	Results of the PBT and vPvB assessment	Not applicable. Not applicable.				
SECTION 3	Composition/information on ingredients					
3.1	Substances					
	Not applicable.					
3.2	Mixtures					
	Name	CE number	CAS number	Registration number	%(P/P)	Classification Regulation CE N° 1272/2008
	Ammonium nitrate	229-347-8	6484-52-2	-	70-80%	Ox. Sol. 3 H272; Eye Irrit. 2 H319
	Calcium sulfate	231-900-3	7778-18-9	Exempt	20-30%	Not classified
	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	Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been ingested and the exposed person is conscious, give small amounts of water to drink. Stop if the exposed person feels unwell, as vomiting may be dangerous. Do not induce vomiting unless instructed to do so by medical personnel. If vomiting occurs, keep the head down so that vomit does not enter the lungs. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Keep airway open. Loosen tight clothing, such as collar, tie, belt or waistband.				
	Skin contact	Rinse with plenty of water. Remove contaminated clothing and wash before reuse. If irritation persists, seek medical attention.				
	Eye contact	Flush eyes with water for at least 15 minutes. Avoid the affected rub or close the eyes. In the case of the injured person uses contact lenses, they should be removed when they are not stuck in the eyes, otherwise further damage may occur. In all cases, after washing, seek medical advise as quickly as possible with the SDS of the product.				

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4.2	Most important symptoms and effects, both acute and delayed	
	Eye contact	Causes eye irritation. This irritation may cause redness and swelling of the eyes.
	Inhalation	No known significant effects or critical hazards.
	Skin contact	Skin irritation and skin sensitisation.
	Ingestion	For ammonium salts in general: symptoms of local irritation, nausea, vomiting, diarrhoea. Systemic effect: after ingestion of very large quantities: drop in blood pressure, collapse, CNS disorders, spasms, narcotic states, respiratory paralysis, haemolysis. Gastrointestinal disturbances, blood disorders, methaemoglobinaemia with headache, cardiac arrhythmia, drop in blood pressure, dyspnoea and spasms, key symptom: cyanosis (blue colour of blood).
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:	
	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	Fire-extinguishing powder Dry sand
	Unsuitable extinguishing agents for safety reasons	None.
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, nitrous gases, ammonia.
5.3	Advice for firefighters	
	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.	

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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	
	Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.	
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	
	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. Avoid contact with eyes, skin or clothing. Do not breathe vapors or mist. Do not ingest. Avoid release to the environment. Keep in original container or approved alternative made of a compatible material, kept tightly closed when not in use. Empty containers retain product residues and may be hazardous. Do not reuse container. Avoid handling incompatible substances, see section 7.2. and 10.

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	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	
	<p>a) Dust generation must be reduced to the minimum possible.</p> <p>b) They shall be stored separated, by a physical barrier, from combustible materials (gas-oil, oils, grease, paper, etc.), reducing agents, acids, alkalis, sulphur, chlorates, chromates, nitrites, permanganates and metallic dust or substances containing metals such as copper, cobalt, nickel, zinc and their alloys. It shall also be kept away from stacks of hay, straw, grain, seeds and organic matter in general.</p> <p>(c) These fertilisers shall be stored in such a way as to ensure that there is no mixing between the different types in storage.</p> <p>(d) The height of stacks of product, both packaged and bulk, must be at least one metre below eaves, rafters, lighting points and electrical installations. electrical installations.</p> <p>(e) The use of naked portable lamps shall not be permitted.</p> <p>(f) The use of any heat source shall be prohibited unless properly authorised, supervised and controlled. Smoking shall be prohibited at all times.</p> <p>(g) Welding or cutting work shall be carried out on surfaces previously cleaned of fertiliser residues and sufficiently insulated from fertiliser.</p> <p>(h) Organic products shall not be used to clean the storage room floor.</p> <p>(i) Under no circumstances shall the arrangement of the stored product obstruct normal or emergency exits, or hinder access to safety equipment or areas.</p> <p>j) In enclosures intended for the storage of fertilisers, the handling of the product shall not be permitted, except for loading and unloading operations, physical mixing of the product or feeding to the bagging facilities.</p> <p>(k) Machinery involved in the handling of the product shall be fitted with spark chambers in the smoke exhaust pipe. Permanent heating or electrical installations must be designed in such a way that fertiliser can never come into contact with them. Consideration must be given to their location when the store is completely full. This applies to radiators, water or steam pipes as well as other heat sources, whether or not they are to be insulated.</p>	
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.

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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	CAS: 546-93-0 Magnesite WEL: Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust			
DNEL				
Substance				6484-52-2
				Ammonium nitrate
Industrial/Professional worker	Inhalation (mg/m³)	Long-term	Systemic	36 mg/m ³
			Local	No hazard has been identified
		Short-term	Systemic	Hazards are unknown but no further information is needed as no exposure to the substance is expected to occur
			Local	Hazards are unknown but no further information is needed as no exposure to the substance is expected to occur
	Dermal (mg/kg pc/día)	Long-term	Systemic	5,12 mg/kg bw/d
			Local	No hazard has been identified
		Short-term	Systemic	No hazard has been identified
			Local	No hazard has been identified
	Ocular (mg/kg pc/día)	Long-term	Systemic	Low risk (no threshold was derived)
			Local	Low risk (no threshold was derived)
		Short-term	Systemic	Low risk (no threshold was derived)

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		term	Local	Low risk (no threshold was derived)	
Consumer	Inhalation (mg/m³)	Long-term	Systemic	8,9 mg/m ³	
			Local	No hazard has been identified	
		Short-term	Systemic	No hazard has been identified	
			Local	No hazard has been identified	
	Dermal (mg/kg pc/day)	Long-term	Systemic	2,56 mg/kg bw/d	
			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	2,56 mg/kg bw/d	
			Local	No hazard has been identified	
		Short-term	Systemic	No hazard has been identified	
			Local	No hazard has been identified	
	Ocular (mg/kg pc/day)	Long-term	Systemic	Not available	
			Local	Not available	
		Short-term	Systemic	Low risk (no threshold was derived)	
			Local	Low risk (no threshold was derived)	
	PNEC				
	Substance				6484-52-2
					Ammonium nitrate
	Fresh water (mg/L)				No hazard has been identified
Salt water (mg/L)				No hazard has been identified	
STP (mg/L)				18 mg/L	
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)				The substance has no bioaccumulation potential	

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	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 protective equipment	General protection and hygiene measures 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. 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.
		Respiratory protection Required when dusts are generated. Recommended Filter type: Filter P2 for solid and liquid particles of harmful substances.
		Hand protection Wear suitable gloves (e.g. rubber or PVC) when handling the product for long periods of time.
		Glove material Rubber gloves PVC gloves
		Other Use personal protective equipment during use and handling of the product.
		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 Not applicable due to physico-chemical characteristics.
	Environmental exposure controls	General ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

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SECTION 9	Physical and chemical properties	
9.1	Information on basic physical and chemical properties	
	Appearance	Granulate
	Colour	White
	Odour	Odourless
	Odour threshold	Not available.
	pH	4.5(10%)
	Melting point/freezing	170 ° C
	Initial boiling point and	210 ° C
	Flash point	Not applicable due to physico-chemical characteristics.
	Evaporation rate	Not available
	Flammability	Contact with combustible material may cause fire.
	Upper/lower flammability or explosive limits	
	Lower	Not available.
	Upper	Not available.
	Vapour pressure	Not applicable due to physico-chemical characteristics.
	Vapour density	Not applicable due to physico-chemical characteristics.
	Relative density	at 20 ° C 1.72
	Solubility	
	In water	at 20 ° C 1183 g/l
	Partition coefficient: n-octanol/water	Not applicable due to physico-chemical characteristics.
	Auto-ignition	Not available
	Decomposition	>210 ° C
	Viscosity	
	Kinematic	Not applicable due to physico-chemical characteristics.
	Dynamic	Not applicable due to physico-chemical characteristics.
	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 conditions.
10.2	Chemical stability	Chemically stable under the indicated storage, handling and use conditions.
10.3	Possibility of hazardous reactions	When heated above 170°C it decomposes giving off Nox, Ammonia and SO2. Contamination with incompatible materials.
10.4	Conditions to avoid	Strong heating (decomposition).

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10.5	Incompatible materials	Metals, Mild steel. Reducing agents, powdered metals, strong acids, strong oxidizing agents.				
10.6	Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. - Nitrogen oxides (NOx), ammonia and SO2.				
SECTION 11 Toxicological information						
11.1	Information on toxicological effects					
Acute toxicity						
	Component	CAS number	Method	Species	Route	Result
	Ammonium nitrate	6484-52-2	Not specified	Rat Mouse	Oral Subcutaneous Intravenous	DL50 = 14,3-15 g/kg bw (Rat) 11,5-13 g/kg bw (Mouse) DL50 = 8,2-9,4 g/kg bw (Rat) 9,2-10,7 g/kg bw (Mouse) DL50 = 5,3-5,4 g/kg bw (Rat) 4,6-5,2 g/kg bw (Mouse)
Based on available data, the classification criteria are not met.						
Skin corrosion/irritation						
	Component	CAS number	Method	Species	Route	Result
	Ammonium nitrate	6484-52-2	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
	Ammonium nitrate	6484-52-2	OECD 405	Rabbit	Ocular	Slightly irritant
Causes serious eye irritation.						
Respiratory or skin sensitization						
	Component	CAS number	Method	Species	Route	Result
	Ammonium nitrate	6484-52-2	-	-	-	There are no available studies
Based on available data, the classification criteria are not met.						
Germ cell mutagenicity						
	Component	CAS number	Method	Species	Result	
	Ammonium nitrate	6484-52-2	OECD 473 OECD 476	Bacteria Cromosomal aberration Mutation of mammal cells	Non mutagenic	
Based on available data, the classification criteria are not met.						
Carcinogenicity						

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	Component	CAS number	Method	Species	Route	Result
	Ammonium nitrate	6484-52-2	NCI - screening tests	Rat Mouse	Oral	There is no evidence that the substance is carcinogenic.
Based on available data, the classification criteria are not met.						
Reproductive toxicity						
	Ammonium nitrate	6484-52-2	Not specified	Rat	Oral	Data conclusive but not sufficient for classification. -Effects on fertility : There are no effects on
Based on available data, the classification criteria are not met.						
STOT- single exposure						
	Ammonium nitrate	6484-52-2	Not available	Not available	Not available	Not available
Based on available data, the classification criteria are not met.						
STOT-repeated exposure						
	Ammonium nitrate	6484-52-2	Not specified	Rat Mouse	Oral	NOAEL: 2250 mg/kg bw/d (Rat) NOAEL: 6750 mg/kg bw/d (Mouse) It is concluded that urea has a very low chronic toxicity.
Based on available data, the classification criteria are not met.						
Aspiration hazard						
	Ammonium nitrate	6484-52-2	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
		6484-52-2	Short term	CE50 (48h): 447 mg/L (Cyrpinus carpio)	Not necessary	CE50 (48h): 490 mg/L
			Long term	CE50 (7d): 555 mg/L	CE50: 1700 mg/l	NOEC/CE10: 1700 mg/L
Terrestrial toxicity						
	Component	N° CAS	Macro-organism	Micro-organism	Terrestrial plants	Other organisms

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	Ammonium nitrate	6484-52-2	Not available	Not available	Not available	-
Microbiological activity in wastewater treatment plants						
	Component	N° CAS	Toxicity to aquatic micro-organisms			
	Ammonium nitrate	6484-52-2	CE50: 1000 mg/l CE10/NOEC: 180 mg/l			
12.2	Persistence and degradability					
	Component	N° CAS	Degradation			
	Ammonium nitrate	6484-52-2	Hydrolysis	Hydrolysis is not seen. It is not necessary.		
			Photolysis	Not necessary		
			Biodegradation	Not necessary		
12.3	Bioaccumulative potential					
	Component	N° CAS	Octanol-water partition coefficient (Kow)	Bioaccumulation factor (BFC)	Observations	
	Ammonium nitrate	6484-52-2	Not applicable. Inorganic substance.	-	-	
12.4	Mobility in soil					
	Component	N° CAS	Result			
	Ammonium nitrate	6484-52-2	Being an inorganic substance it has a low adsorption potential.			
12.5	Results of PBT and vPvB assessment					
	Not applicable.					
12.6	Other adverse effects					
	Significative effects o critics risks are not known.					

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SECTION 13		Disposal considerations			
13.1	Waste treatment methods	<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 (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>			
	Methods of disposal				
	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	Not applicable		Not applicable	
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.			

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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 UK REACH Regulation.
	Named dangerous substances - ANNEX VI (CLP)	None substance listed.
	SEVESO Category	
	Qualifying quantity (tonnes) for the application of lower-tier requirements	1250 t
	Qualifying quantity (tonnes) for the application of upper-tier requirements	5000 t
	Regulation (EC) No 1907/2006 - ANNEX XVII	Not applicable.
15.2	Chemical safety assessment	
	A chemical safety assessment has not been carried out since this is a mixture (exempt from registration).	
SECTION 16	Other information	
	Relevant phrases	H272 May intensify fire; oxidiser. H319 Causes serious eye irritation.

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Abbreviations and acronyms	<p>ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).</p> <p>STP: Sewage treatment plant.</p> <p>OECD: Organisation for Economic Co-operation and Development.</p> <p>NOAEL: No observed adverse effect level..</p> <p>IMDG: International Maritime Code for Dangerous Goods.</p> <p>IATA: International Air Transport Association.</p> <p>GHS: Globally Harmonised System of Classification and Labelling of Chemicals.</p> <p>CAS: Chemical Abstracts Service (division of the American Chemical Society).</p> <p>DNEL: Derived No-Effect Level (UK REACH).</p> <p>PNEC: Predicted No-Effect Concentration (UK REACH).</p>
Data compared to the previous version altered	<p>Adaptation to Commission Regulation (EU) No 2015/830.</p> <p>Correction of errors in section 13.</p>
References	<p>This safety data sheet has been prepared in accordance with:</p> <ul style="list-style-type: none"> - 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).
Methods used for the classification of the mixture (Article 9 of Regulation (EC) No 1272/2008)	<p>Classification and Labeling in accordance with the principle of extrapolation of Regulation No. 1272/2008 (CLP).</p>
Advice on any training appropriate for workers to ensure protection of human health and the environment	<p>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.</p>

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.