

Safety Data Sheet

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



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Revision: 1

NEOFORCE RANGER

SECTION 1		Identification of the substance/mixture and of the company/undertaking
1.1	Product identifier	
	Trade name	NEOFORCE RANGER
	Code	DS-123
	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	Not applicable.
1.2	Relevant identified uses of the substance or mixture and uses advised against	
	Application of the substance / the mixture	Agricultural use.
	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	ADP – Fertilizantes, S.A., Lavradio - (00351) 210 300 400 (Only available during office hours; Monday-Friday; 08:00-18:00)

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SECTION 2		Hazards identification
2.1	Classification of the substance or mixture according Regulation (EC) n° 1272/2008 (CLP)	Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
2.2	Label elements	
	Hazard pictograms	
	Signal word	Not applicable.
	Hazard-determining components of labelling	Not applicable.
	Hazard statements	H411 Toxic to aquatic life with long lasting effects.
	Precautionary statements	P102 Keep out of reach of children. P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment. P391 Collect spillage. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
	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.

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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						
	Not applicable.						
3.2	Mixtures						
	Name	Index Number	CE number	CAS number	Registration number	%(P/P)	Classification Regulation CE N° 1272/2008
	Reaction products of sodium glucoheptonate with copper sulfate and ammonium hydroxide	-	-	-	01-2120752201-69-XXXX	10 - <25	Acute Tox. H302
	Copper sulphate	029-004-00-0	231-847-6	7758-98-7	01-2119520566-40-XXXX	<2,5%	Acute Tox. H302; Skin Irrit. 2 H315; Eye Irrit. 2 H319; Aquatic Acute 1 H400; Aquatic Chronic 1 H410 M (chronic) = 10
	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		Move patient to fresh air and keep at rest in a position comfortable for breathing. Monitor for respiratory distress. If coughing or difficulty breathing, assess for airway irritation, bronchitis or pneumonitis. If able, administer supplemental oxygen with assisted ventilation as needed. Administer artificial respiration if the patient is not breathing.				
	Ingestion		Do not induce vomiting; seek medical advice immediately.				
	Skin contact		Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.				

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	Eye contact	Irrigate with plenty of water for at least 10 minutes. Get medical attention.
4.2	Most important symptoms and effects, both acute and delayed	
	Eye contact	Redness, itching, burning.
	Inhalation	Irritation of respiratory tract.
	Skin contact	Redness, burn, pain, blistering.
	Ingestion	Adverse symptoms may include sore throat, stomach pain, difficulty swallowing, nausea or vomiting.
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	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	
	The solution is not flammable. Ammonia may be released from solution but in free air the ammonia-air mixture is unlikely to be within flammable limits. In confined spaces the flammable limits may be reached. A closed container containing ammonia solution may explode if exposed to fire or heated.	
	Hazardous thermal decomposition products	NO _x

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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
	<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
	<p>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.</p> <p>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).</p>
	For emergency responders
	<p>With proper training, self-contained breathing apparatus (SCBA) and protective clothing for structural firefighters used in conjunction with water spray will provide limited protection in outdoor emissions for short-term exposure.</p>
6.2	Environmental precautions
	<p>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).</p>

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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.
	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 limits		There is no limit of occupational exposure value for the mixture.		
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		Not applicable.		
DNEL				
Substance			7758-98-7	
Substance			Copper sulphate	
	Inhalation (mg/m³)	Long-term	Systemic	1 mg/m ³
			Local	1 mg/m ³
		Short-	Systemic	No hazard has been identified

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Industrial/Professional worker	Dermal (mg/kg pc/dia)	Long-term	Local	No hazard has been identified
			Systemic	137 mg/kg pc/dia
		Short-term	Local	No hazard has been identified
			Systemic	No hazard has been identified
		Long-term	Local	No hazard has been identified
			Systemic	No hazard has been identified
	Ocular (mg/kg pc/dia)	Long-term	Local	No hazard has been identified
			Systemic	No hazard has been identified
		Short-term	Local	No hazard has been identified
			Systemic	No hazard has been identified
	Inhalation	Long-term	Local	No hazard has been identified
			Systemic	No hazard has been identified

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Consumer	(mg/m3)	Short-term	Systemic	No hazard has been identified	
			Local	No hazard has been identified	
	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	0.041 mg/kg pc/dia	
			Local	No hazard has been identified	
		Short-term	Systemic	0.082 mg/kg pc/dia	
			Local	No hazard has been identified	
			Long-term	Systemic	Low risk (no threshold was derived)

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		Ocular (mg/kg pc/day)	term	Local	Low risk (no threshold was derived)
			Short- term	Systemic	Low risk (no threshold was derived)
				Local	Low risk (no threshold was derived)
PNEC					
Substance					7758-98-7
					Copper sulphate
Fresh water (mg/L)					7.8 µg/L
Salt water (mg/L)					5.2 µg/L
STP (mg/L)					230 µg/L
Fresh water sediment (mg/L)					87 mg/kg sediment
Salt water sediment (mg/L)					676 mg/kg sediment
Air (mg/L)					No risk has been identified

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	Soil (mg/L)	65 mg/kg soil
	Predators (secondary poisoning) (mg/L)	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	<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>
	Personal protective measures, such as personal protective equipment	<p>General protection and hygiene measures</p> <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>
		<p>Respiratory protection</p> <p>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.</p>
		<p>Hand protection</p> <p>Chemical protective gloves According to standards: EN 374-1:2003 - EN 374-3:2003/AC:2006 - EN 420:2003+A1:2009.</p> <p>Replace gloves at any sign of deterioration.</p>
		<p>Glove material</p> <p>PVC gloves</p>
		<p>Other</p> <p>Use personal protective equipment during use and handling of the product.</p>

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		Eye/face protection	Wear chemical goggles (with indirect ventilation) when there is a possibility of contact with liquid or mist. The use of a full face shield in addition to goggles is recommended for additional protection. See eye and face protection standard EN 166 for further information. A safety shower and eye wash fountain should be provided in the ammonia handling area.
		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	Liquid	
	Colour	Dark green	
	Odour	Odourless	
	Melting point/freezing point	Depending on the mixture.	
	Initial boiling point and boiling range	100 °C	
	Flammability	Non-flammable (> 60 °C)	
	Upper/lower flammability or explosive limits		
	Lower	Not available.	
	Upper	Not available.	
	Flash point	Not available.	
	Auto-ignition temperature	Not available.	
	Decomposition temperature	Not determined.	
	pH	3 +/- 0,5	
	Viscosity		
	Kinematic	Not available	
	Dynamic	Not available	
	Solubility		
	In water	Fully miscible.	
	Partition coefficient: n-octanol/water	Not available.	
	Vapour pressure	Not available.	

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	Relative density	1260 Kg/m ³
	Vapour density	Not available.
	Particle characteristics	Not applicable due to physico-chemical characteristics
9.2	Other information	
	Appearance	Liquid.
	Explosives properties	Not applicable due to the physical and chemical characteristics of the product.
	Oxidizing properties	Not applicable due to the physical and chemical characteristics of the product.
	Information with regard to physical hazard classes	
	Explosives	Not applicable due to the physical and chemical characteristics of the product.
	Flammable gases	Not applicable due to the physical and chemical characteristics of the product.
	Aerosols	Not applicable due to the physical and chemical characteristics of the product.
	Oxidising gases	Not applicable due to the physical and chemical characteristics of the product.
	Gases under pressure	Not applicable due to the physical and chemical characteristics of the product.
	Flammable liquids	Not applicable due to the physical and chemical characteristics of the product.
	Flammable solids	Not applicable due to the physical and chemical characteristics of the product.
	Self-reactive substances and mixtures	Not applicable due to the physical and chemical characteristics of the product.
	Substances and mixtures, which emit flammable gases in contact with water	Not applicable due to the physical and chemical characteristics of the product.
	Oxidising liquids	Not applicable due to the physical and chemical characteristics of the product.
	Oxidizing solids	Not applicable due to the physical and chemical characteristics of the product.
	Organic peroxides	Not applicable due to the physical and chemical characteristics of the product.
	Corrosive to metals	Not applicable due to the physical and chemical characteristics of the product.
	Desensitised explosives	Not applicable due to the physical and chemical characteristics of the product.
	Other safety characteristics	
	Mechanical sensitivity	Not applicable due to the physical and chemical characteristics of the product.

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	Self-accelerating polymerisation temperature	Not applicable due to the physical and chemical characteristics of the product.
	Formation of explosible dust/air mixtures	Not applicable due to the physical and chemical characteristics of the product.
	Acid/alkaline reserve	Not applicable due to the physical and chemical characteristics of the product.
	Evaporation rate	Not applicable due to the physical and chemical characteristics of the product.
	Miscibility	Not applicable due to the physical and chemical characteristics of the product.
	Conductivity	Not applicable due to the physical and chemical characteristics of the product.
	Corrosiveness	Not applicable due to the physical and chemical characteristics of the product.
	Gas group	Not applicable due to the physical and chemical characteristics of the product.
	Redox potential	Not applicable due to the physical and chemical characteristics of the product.
	Radical formation potential	Not applicable due to the physical and chemical characteristics of the product.
	Photocatalytic properties	Not applicable due to the physical and chemical characteristics of the product.
	Potencial redox	Not applicable due to the physical and chemical characteristics of the product.
	Potencial de formación de radicales	Not applicable due to the physical and chemical characteristics of the product.
	Propiedades fotocatalíticas	Not applicable due to the physical and chemical characteristics of the product.
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	Not known
10.4	Conditions to avoid	Heating. Welding work or work involving associated heating in equipment that has contained the product, without first having washed it to remove all traces.
10.5	Incompatible materials	Combustible materials, reducing agents, acids, bases, sodium carbonate, chlorates, chlorides, chromates, nitrites, permanganates and metal powders.
10.6	Hazardous decomposition products	In case of fire: see section 5.

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SECTION 11	Toxicological information					
11.1	Information on toxicological effects					
Acute toxicity						
Component	CAS number	Method	Species	Route	Result	
Copper sulphate	7758-98-7	Not specified Not specified	Rat Rat	Oral Cutaneous	DL50: 481 mg/kg bw. DL50 > 2000 mg/kg bw.	
Based on available data, the classification criteria are not met.						
Skin corrosion/irritation						
Component	CAS number	Method	Species	Route	Result	
Copper sulphate	7758-98-7	Not specified	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	
Copper sulphate	7758-98-7	Not specified	Rabbit	Ocular	Category 1. Causes serious eye damage.	
Based on available data, the classification criteria are not met.						
Respiratory or skin sensitisation						
Component	CAS number	Method	Species	Route	Result	
Copper sulphate	7758-98-7	Not specified	Cerdo de Guina	Cutaneous	Non sensitising	
Based on available data, the classification criteria are not met.						
Germ cell mutagenicity						
Component	CAS number	Method	Species	Result		
Copper sulphate	7758-98-7	OECD 471 EU Method B.12 OECD 486	Bacteria Mutation of mammal cells	Non mutagenic		
Based on available data, the classification criteria are not met.						
Carcinogenicity						
Component	CAS number	Method	Species	Route	Result	
Copper sulphate	7758-98-7	-	-	-	Although the available data on tests on copper and its compounds on animals and people are deficient in many respects, the	
Based on available data, the classification criteria are not met.						

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Reproductive toxicity

Component	CAS number	Method	Species	Route	Result
Copper sulphate	7758-98-7	-	Rat Rabbit	Oral	Effects on fertility: NOAEL: 24 mg/kg bw/d. Toxicity for the development: NOAEL: 6 mg/kg bw/d.

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

STOT- single exposure

Component	CAS number	Method	Species	Route	Result
Copper sulphate	7758-98-7	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
Copper sulphate	7758-98-7	EU Method B.26 OECD 412 OECD 402	Rat Rat	Oral Inhalation	NOAEL: 16,7 mg/kg bw/d -

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

Aspiration hazard

Component	CAS number	Result
Copper sulphate	7758-98-7	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

None of the components are listed.

Other information

Not available

SECTION 12 Ecological information

12.1 Toxicity

Aquatic toxicity

Component	N° CAS		Fish	Crustacea	Algae
Copper	7758-98-7	Short term	Not available	Fresh water: NOEC: 2,2 µg/l - 188 µg/l Marine water: NOEX: 55 µg/l - 123 µg/l	Not available

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	sulphate	7758-98-7	Long term	Fresh water: NOEC: 4 µg/l - 188 µg/l Marine water: NOEX: 5,9 µg/l - 145 µg/l	Not available	NOEC: 30 µg/l
Terrestrial toxicity						
	Component	N° CAS	Macro-organism	Micro-organism	Terrestrial plants	Other organisms
	Copper sulphate	7758-98-7	NOEC: 25 mg/kg	NOEC: 763 mg/kg	NOEC: 50-100 mg/kg	-
Microbiological activity in wastewater treatment plants						
	Component	N° CAS	Toxicity to aquatic micro-organisms			
	Copper sulphate	7758-98-7	NOEC/CE10: 0,23 mg/l			
12.2	Persistence and degradability					
	Component	N° CAS	Degradation			
	Copper sulphate	7758-98-7	Hydrolysis	Copper does not degrade in the conventional way, therefore information on hydrolysis is not relevant.		
			Photolysis	Copper does not degrade in the conventional way, so information about photolysis is not relevant.		
			Biodegradation	Biodegradation as understood for organic compounds does not apply to inorganic substances such as copper and its compounds, but an attenuation of toxicity is observed.		
12.3	Bioaccumulative potential					
	Component	N° CAS	Octanol-water partition coefficient (Kow)	Bioaccumulation factor (BFC)	Observations	
	Copper sulphate	7758-98-7	Not applicable.	-	-	
12.4	Mobility in soil					
	Component	N° CAS	Result			
	Copper sulphate	7758-98-7	Partition coefficient of particulate matter in Fresh water: Kpsusp = 30.246 l/kg. Sediment partition coefficient in Fresh water: Kpsed = 24,409 l/kg. Coefficient of partition of suspended matter in an estuary: Kpsusp = 56,234 l/kg. Coefficient of partition of suspended matter in marine waters: Kpsusp = 131.826 l/kg. Partition coefficient in the terrestrial compartment: Kd = 2120 L/kg.			
12.5	Results of PBT and vPvB assessment					
	Not applicable.					

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12.6	Endocrine disrupting properties				
	The product does not include endocrine disrupting substances.				
12.7	Other adverse effects				
	Significative effects or critcs risks are not known.				
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. 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	HP14: Ecotoxic			
SECTION 14 Transport information					
	Regulatory information	ADR/RID	ADNR	IMDG	IATA
14.1	UN number	UN3082			
14.2	UN proper shipping name	UN3082 ENVIRONMENTALLY HAZARDOUS LIQUID SUBSTANCE, N.O.S. (copper sulfate, zinc sulfate (anhydrous))		ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (copper sulphate, zinc sulphate (anhydrous)), MARINE POLLUTANT	
14.3	Transport hazard class(es)				
	Class	9 (M6) Various hazardous materials and objects		9 Various hazardous materials and objects	
	Label	9		9	
14.4	Packing group	III			
14.5	Environmental hazards	Marine pollutant			
	Special precautions for user	Not applicable.			

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14.6		Hazard Identification Number (Kemler Number: 90 EMS number: F-A,S-F Segregation groups: - Stowage Category: A Stowage Code: SW2 Clear of living quarters		
14.7	Maritime transport in bulk according to IMO instruments			
	Transport/Additional information	Not applicable.		
	Additional information	ADR/RID/ADN Limited Quantities (LQ) 5L Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml Transport category 3 Tunnel restriction code	Limited quantities (LQ) 5L -Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml "UNECE Model Regulations: UN 3082 ENVIRONMENTALLY HAZARDOUS LIQUID SUBSTANCE, N.O.S. (COPPER SULPHATE, CINC (ANHIDRO) SULPHATE), 9, III	-
SECTION 15		Regulatory information		
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture			
	Regulation (EC) No 1907/2006 (REACH)	This product complies with the REACH Regulation.		
	SEVESO Category	E2 Dangerous for the aquatic environment		
	Qualifying quantity (tonnes) for the application of lower-tier requirements	200 t		

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	Qualifying quantity (tonnes) for the application of upper-tier requirements	500 t
	Named dangerous substances - ANNEX VI (CLP)	Contains copper sulphate N° index: 029-004-00-0
	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 (UE) 2019/1009	This product complies with the Fertilizers 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.
	Regulation (EC) No 111/2005 laying down rules for the monitoring of and trade in drug precursors between the Community and third countries.	Not applicable.
15.2	Chemical safety assessment	
	A chemical safety assessment has not been carried out since this is a mixture (exempt from registration), however the exposure scenarios of the substances that form the composition may be requested.	

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SECTION 16 Other information	
Relevant phrases	<p>H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.</p>
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). 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 (REACH). PNEC: Predicted No-Effect Concentration (REACH).</p>
Data compared to the previous version altered	<p>Correction of errors in the sections 13 and 15. New data about the supplier of the SDS. Modification in properties section 9.</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>

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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.