




SAFETY DATA SHEET

Product	Personal Protection Elements		
PROTERRA S 3 (9-42-0 S:18)	 Gloves	 Respiratory protection	 Safety goggles

SECTION 1. PRODUCT IDENTIFICATION	
GHS Product identifier	Proterra S 3
Other means of identification	9-42-0 S:18
Recommended use of the chemical and restrictions on use In the agricultural industry as fertilizer.	EMERGENCY PHONE NUMBER 24 HS (0291) 459-8188 - (0291) 459-8008 - Security (0291) 154-050419 – Safety Health (0291) 459-8196 – Medical Service
SUPPLIER Profertil S.A. Terminal San Nicolás, Provincia de Buenos Aires - Argentina	DISTRIBUTOR Profertil S.A. Terminal San Nicolás, Provincia de Buenos Aires - Argentina

SECTION 2. HAZARD IDENTIFICATION							
Clasificación of the substance	Classification		Labeled			Hazard indication code	
	Hazard class	Hazard category	Pictograma		Signal word		Hazard indication
			GHS	Model Regulations of the UN			
Not applicable.							
Summary	Not classified as hazardous matter in accordance with Directive 92/32/EEC and Regulation (CE) No. 1272/2008 [CLP/GHS]. The product is not considered toxic to humans. It is not carcinogenic, mutagenic or teratogenic according to ACGIH, EPA, IARC, OSHA. Its decomposition can affect aquatic life. Contact with dust from this product may cause irritation to the eyes, respiratory tract and skin.						

SECTION 3. INFORMATION ON INGREDIENTS					
Composition: Constituent, Impurity and Additives.			Comercialization: Granulated in bag and in bulk.		
Common name	Synonyms of the Substance	CAS number	Chemical family	Formula	Composition (% by weight)
Monoammonium phosphate	MAP	7722-76-1	Salts of ammonium and Phosphates	PO4H2NH4	80%
Sulfurgran	Sulfur	7704-34-9	Non-Metals	S	20%

SECTION 4. FIRST-AID MEASURES	
Contact with eyes	Contact with dust may cause irritation to the eyes, so immediately rinse the eyes with plenty of water, for at least 15 minutes, keeping the eyelids open. Remove contact lenses if you have and can do it. Request medical care.
Contact with skin	Contact with dust may cause skin irritation, so wash the contaminated area with soap and water. If irritation persists seek medical attention. Remove and wash contaminated clothing and shoes.



Inhalation	Contact with dust can cause irritation to the mucous membranes and upper respiratory tract, so the exposed person must be moved to a place where they can breathe uncontaminated air. Request medical attention.
Ingestion	Rinse mouth with water. Do not induce vomiting unless directed by medical personnel.
SECTION 5. FIRE-FIGHTING MEASURES	
Suitable extinguishing media	Use water spray, carbon dioxide (CO ₂), foam or sand.
Specific hazards arising from the chemical	It is not combustible. Its thermal decomposition can produce ammonia (NH ₃), nitrogen oxides (NO _x) phosphorus oxides (PO _x) and water, to a lesser extent sulfur oxides.
Special protective actions for fire-fighters	In the case of fumes or gases, those responsible for controlling the fire must use Structural Equipment for firefighters and autonomous Breathing equipment. Collect the water used in fire fighting for later reuse or treatment.
SECTION 6. ACCIDENTAL RELEASE MEASURES	
Personal precautions, protective equipment and emergency procedures	Use the corresponding PPEs. In case of dust generation, ventilation should be provided that allows compliance with occupational exposure limits. Otherwise, the use of a mask should be indicated.
Environmental precautions	Prevent spills from entering drains, surface water courses, groundwater, etc. Avoid the generation of dust.
Methods and materials for containment and cleaning up	Absorb and/or contain the spill with inert material and place in a suitable container. Spilled material can be slippery. If the product is contaminated with soil it can be reused as fertilizer. To do this, the spilled material must be collected with mechanical means (manual and/or mechanical shovels, industrial vacuum cleaners, etc.). Do not use water. In case of precipitation, avoid entering water bodies and cover the product with impermeable material until the end of said meteorological condition. The recovered water can be reused as fertilizer.
SECTION 7. HANDLING AND STORAGE	
Precautions for safe handling	Avoid the generation of dust, smoke or fog. Avoid spills into water. Use adequate ventilation to maintain exposure within the allowed limits. Prevent handling with incompatible substances. Prohibited to eat, drink or smoke in work areas. Wash your hands after handling the products. Take off contaminated clothing and PPEs before entering the dining rooms.
Conditions for safe storage	Store in dry, temperate and adequately ventilated areas (if necessary using appropriate technical controls), to keep particulate material concentrations below the exposure limits. Avoid contact with incompatible substances.
SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION	
Control parameters	There are no specific occupational exposure limits. ACGIH TLV-TWA / Res. MTEySS N° 295/03: (insoluble) not-otherwise specified particles (PNEOF) 10 mg/m ³ in 8 hours for inhalable particles and 3 mg/m ³ in 8 hours for breathable particles. OSHA PEL: Total powder: 15 mg/m ³ TWA (8 hours), breathable fraction: 5 mg/m ³ TWA (8 hours).
Appropriate engineering controls	Maintain airborne dust concentrations below occupational exposure limits. If necessary, local ventilation by aspiration should be used.

Individual protection measures, personal protective equipment (PPEs)	To avoid contact with skin or eyes, wear long-sleeved clothing that protects the limbs and/or bodysuit, leather gloves, safety goggles. In the presence of high concentrations of dust dispersed in the air, use PVC bodysuit, PVC gloves and respiratory protection approved for dust.		
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES			
Appearance	Physical state: Solid (Crystals) Colour: Light Green to gray		
Odour	Odourless to slightly ammoniated	Vapour pressure	Not applicable
Odour threshold	Not available	Vapour density	Not applicable
pH (10% sol. in water)	Not available	Solubility	Not disponible
Melting/Solidification Point	Not available	Partition coefficient: n-octanol/water	Not available
Initial boiling point and boiling range	Not applicable	Auto-ignition temperature	Not applicable
Flash point	Not applicable	Decomposition temperature	Not available
Evaporation rate	Not applicable	Relative density	1,62 (water = 1)
Flammability	Not applicable	Apparent density	976 kg/m ³ (bagged)
Upper/lower flammability or explosive limits	Not applicable	Viscosity	Not available
SECTION 10. STABILITY AND REACTIVITY			
Chemical stability	The product is stable.		
Possibility of hazardous reactions	May present corrosivity to iron, low-carbon steels, aluminum, zinc and copper. Ferrous metals and alloys.		
Conditions to be avoided	High temperatures and humidity.		
Incompatible materials	Avoid contact with alkaline materials and oxidizing agents such as nitrates and chlorine.		
Dangerous products of decomposition	Exposure to high temperatures produces toxic gases by thermal decomposition: ammonia (NH ₃), nitrogen oxides (NO _x), phosphorus oxides (PO _x) and water. To a lesser extent, sulfur oxides could be found		
Special Observations	Absorbs moisture from the air. It is hygroscopic. Slow hydrolysis can produce corrosive acids.		
SECTION 11. TOXICOLOGICAL INFORMATION			
Acute toxicity	MAP: Product test results, OECD 402 acute dermic toxicity (MAP): DL ₅₀ : >5.000 mg/kg (rats). Product test results, OECD 425 acute oral toxicity (MAP): DL ₅₀ : >2.000 mg/kg (rats)		
	Sulfurgran: Acute contact by inhalation of product dust can cause irritation of the upper airways, headache, nausea and lightheadedness, being able to reach mental confusion or depression in high concentrations until loss of consciousness. In contact with the skin, it can cause local irritation in some individuals that can be aggravated by perspiration or moisture. In contact with the eyes may cause irritation in the conjunctiva. Prolonged inhalation may cause lung irritation. Product test results, acute: DL ₅₀ : Sulfur > 3,000 mg / kg (rats).		



Skin corrosion/irritation	Contact with high concentrations of dust may cause skin irritation.
Serious eye damage	Contact with high concentrations of dust may cause irritation on eye contact.
Respiratory or skin sensitization	Contact with high concentrations of dust may cause irritation to the respiratory tract.
Germ cell mutagenicity	It is not classified as mutagenic.
Carcinogenicity	It is not classified as carcinogen.
Reproductive toxicity	It is not classified as toxic for reproduction.
Specific target organ toxicity – single exposure	It is not classified as toxic.
Specific target organ toxicity – repeated exposure	It is not classified as toxic.
Aspiration hazard	Not applicable, if the exposure limits of inhalable dust are not exceeded.
SECTION 12. ECOTOXICOLOGICAL INFORMATION	
Toxicity	MAP: Low toxicity in aquatic organisms. Product test results (MAP), OECD 203 toxicity 6 h CL50 (rainbow trout) for concentrations over 85,9 mg/l.
	Sulfur in fish CL ₅₀ /96 hs > at 100 mg/l. Source: Produquímica
Persistence and degradability	Quickly biodegradable. It is not persistent. The decomposition of the product in bodies of water promotes the growth of algae, increasing turbidity, decreasing oxygen concentration and preventing photosynthesis.
Bioaccumulation potential	Not available.
Mobility in soil	Not available.
Other adverse effects	Not available.
SECTION 13. DISPOSAL CONSIDERATIONS	
Disposal methods	Recovery and reuse of the material whenever possible.
Manipulation	Place the material in containers suitable for use or disposal. The corresponding PPEs should be used. Discharge to surface water courses or groundwater should be avoided.
Treatment	Depending on the type of contamination, consult Safety Health. If the material cannot be recovered and / or reused, it must be treated as a non-dangerous industrial waste.
SECTION 14. TRANSPORT INFORMATION	
International regulations	This product is not considered as dangerous according to the CNRT (Argentina), Mercosur Dangerous Goods Transportation Agreement [Acuerdo Sobre Transporte de Mercancías Peligrosas del Mercosur].
Special provisions for transport	Land and sea transport: General cargo
Environmental hazards	IMDG: It is not a marine pollutant IMO: It is not a dangerous substance ADN: It is not a dangerous substance RID/ADR: It is not a dangerous substance
UN Number	Not regulated as hazardous material
UN Proper Shipping Name	Not regulated as hazardous material



Hazard class(es) for transportation	Not regulated as hazardous material	
Packing Group	Not regulated as hazardous material	
SECTION 15. REGULATORY INFORMATION		
Other Regulations	<p>Mercosur Dangerous Goods Transportation Agreement [Acuerdo Sobre Transporte de Mercancías Peligrosas del Mercosur] National Health and Safety Law No. 19587/72 National Traffic Law No. 24,449 National Hazardous Waste Law No. 24,051 Regulatory Decree No. 351/79 on Health and Safety Resolution 195/97 Technical Standards Res. MTySS 295/03 Chemical Pollutants SRT Resolution No. 801/15 SGA SRT Resolution No. 3359/15, Extension GHS GHS - Globally Harmonized System of Classification and Labeling of Chemicals. 5th Ed. Revised. United Nations, New York and Geneva, 2013. TOMES Plus®, Vol 28, January 1996 Micomedex Inc.</p>	
SECTION 16. OTHER INFORMATION		
Glossary	<p>MASS: Environment, Health and Safety GHS: Globally Harmonized System. ACGIH: American Conference of Governmental Industrial Hygienists. (USA) AIHA WEEL: Workplace Environmental Exposure Level of the American Industrial Hygiene Association (USA) Carcinogenic: It is said of the physical, chemical or biological agent that induces the development of cancer. Teratogenic: That generates malformations to the fetus. CNRT: National Commission for Transport Regulation DL₅₀: Mean Lethal Dose, CL₅₀: Lethal Media Concentration. EC₅₀: Concentration with effect in 50% of organisms. IARC: International Agency Research on Cancer Mutagenic: Substance or agent that permanently alters the DNA of cells. CMP: Maximum Permissible Concentration</p>	<p>OECD: Organization for Cooperation and Development OSHA: Occupational Safety and Health Adm. (USA) Teratogenic: That generates malformations. PEL: Exposure Limit Allowed TLV: Threshold Limit Value TWA: Time weighted average. IATA: International Air Transport Association. IMDG: International Maritime Code of Dangerous Goods IMO: International Maritime Organization. DNA: European Agreement on the International Transport of Dangerous Goods in inland navigation. RID: Regulations for the International Transport of Dangerous Goods by Rail. ADR: "European Agreement on the International Carriage of Dangerous Goods by Road". SRT: Superintendence of Labor Risks MTySS: Ministry of Labor and Social Security CLP: Classification, Labeling and Packaging [CE Regulation].</p>
FOR MORE INFORMATION	CONTACT PROFERTIL SA	
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