




# SAFETY DATA SHEET

Product	Personal Protection Elements
<b>CALCIUM SULFATE</b>	 <b>Gloves</b>  <b>Respiratory Protection</b>  <b>Safety Goggles</b>

SECTION 1. PRODUCT IDENTIFICATION	
<b>GHS Product identifier</b>	Calcium Sulfate
<b>Other means of identification</b>	Does not have
<b>Recommended use of the chemical and restrictions on use</b> In the agricultural industry as fertilizer.	<b>EMERGENCY PHONE NUMBER 24 HS</b> (0291) 459-8188/8008, (0291) 154-050421 Security (0291) 154-050419 Safety Health (0291) 459-8196 – Medical Service
<b>SUPPLIER</b> Imported	<b>DISTRIBUTOR</b> Profertil S.A. Terminal San Nicolás, Provincia de Buenos Aires - Argentina

SECTION 2. HAZARD IDENTIFICATION							
Clasification of the substance	Clasification		Labeled			Hazard indication code	
	Hazard class	Hazard category	Pictogram		Signal word		Hazard indication
			GHS	Model Regulations of the UN			
			Not applicable.				
<b>Summary</b>	<p>It is not classified as hazardous matter in accordance with Directive 92/32 / EEC and Regulation (CE) n°1272 / 2008 [CLP].</p> <p>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.</p> <p>Contact with dust from this product may cause irritation to the eyes, respiratory tract and skin.</p>						

SECTION 3. INFORMATION ON INGREDIENTS					
<b>Composition:</b> Pure			<b>Comercialization:</b> granulated in bag and in bulk		
Common name	Synonyms of the Substance	CAS number	Chemical family	Formula	Composition (% by weight)
Calcium sulfate	Calcium sulfate dihydrate	10101-41-4	Sulfates calcium salts	CaSO <sub>4</sub> .2H <sub>2</sub> O	100

SECCION 4. PRIMEROS AUXILIOS	
<b>Contact with eyes</b>	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 wear them and if they can be easily removed. Request medical attention.
<b>Contact with skin</b>	Contact with dust may cause skin irritation, so wash the contaminated area with plenty of soap and water. In case of irritation seek medical attention. Remove and wash contaminated clothing and wash before reuse.



<b>Inhalation</b>	Contact with dust may cause irritation to the mucous membranes and upper respiratory tract, so the victim should be transported to a place where they can breathe clean, fresh air and keep it at rest in a position comfortable for breathing. Request medical attention in case of discomfort.
<b>Ingestion</b>	Rinse mouth with water. Request medical attention in case of discomfort. Do not induce vomiting unless directed by medical personnel.
<b>SECTION 5. FIRE-FIGHTING MEASURES</b>	
<b>Suitable extinguishing media</b>	Fire extinguishing agent A/B/C.
<b>Specific hazards arising from the chemical</b>	It is not combustible.
<b>Special protective actions for fire-fighters</b>	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.
<b>SECTION 6. ACCIDENTAL RELEASE MEASURES</b>	
<b>Personal precautions, protective equipment and emergency procedures</b>	Avoid all contact with eyes and skin and respiratory system. Use the corresponding PPEs (section 8). 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.
<b>Environmental precautions</b>	Prevent spills from entering drains, surface water courses, groundwater, etc. Avoid the generation of dust.
<b>Methods and materials for containment and cleaning up</b>	Stay with your back to the wind. 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, you must collect the spilled material 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. Water with recovered urea can be reused as fertilizer.
<b>SECTION 7. HANDLING AND STORAGE</b>	
<b>Precautions for safe handling</b>	Avoid the generation of dust, smoke or fog. Avoid breathing dust. Use outdoors or well ventilated places. Use adequate ventilation to maintain exposure within the allowed limits. Prevent handling with incompatible substances. Do not eat, drink or smoke in work areas. Wash your hands after handling the products. Take off contaminated clothing and PPEs and wash thoroughly before entering the dining rooms. Use the PPEs recommended in section 8. Do not disperse the environment.
<b>Conditions for safe storage</b>	Store in dry, temperate and adequately ventilated areas (if necessary using appropriate technical controls). Keep containers tightly closed and locked. Avoid contact with incompatible substances.
<b>SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION</b>	
<b>Control parameters</b>	There are no tables or specific occupational exposure limits ACGIH TLV-TWA / Res. MTEySS N° 295/03: (insoluble) Particles not otherwise specified (PNEOF) 10 mg/m <sup>3</sup> in 8 hours for inhalable particles and 3 mg/m <sup>3</sup> in 8 hours for breathable particles. OSHA PEL: Particulates Not Otherwise Regulated: (PNOR) Total powder: 15 mg/m <sup>3</sup> TWA (8 hours), Breathable fraction: 5 mg/m <sup>3</sup> TWA (8 hours).

<b>Appropriate engineering controls</b>	Maintain airborne dust concentrations below occupational exposure limits. If necessary, local ventilation by aspiration should be used.		
<b>Individual protection measures, personal protective equipment (PPEs)</b>	To avoid contact with skin or eyes, wear long-sleeved clothing that protects the limbs and/or bodysuit, leather/PVC gloves, safety goggles. In the presence of high concentrations of dust in the air, wear PVC romper, PVC gloves and respiratory protection for approved dust.		
<b>SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES</b>			
<b>Appearance</b>	<b>Physical state:</b> Solid (Crystalized Granulated) <b>Colour:</b> white		
<b>Odour</b>	inodour	<b>Vapour pressure</b>	Not applicable
<b>Odour threshold</b>	Not applicable	<b>Vapour density</b>	Not applicable
<b>pH (10% sol. in water)</b>	3 at 3,5	<b>Solubility</b>	20 g/100 ml at 20°C (water) Insoluble in acetona, alcohol.
<b>Melting/Solidification Point</b>	1450 °C	<b>Partition coefficient: n-octanol/water</b>	The product is soluble in water
<b>Initial boiling point and boiling range</b>	Not applicable	<b>Auto-ignition temperatura</b>	Not applicable
<b>Flash point</b>	Not applicable	<b>Decomposition temperatura</b>	>1450 °C
<b>Evaporation rate</b>	Not applicable	<b>Relative density</b>	2,32 (water = 1)
<b>Flammability</b>	Not applicable	<b>Apparent density</b>	1.043 kg/m <sup>3</sup> (loose)
<b>Upper/lower flammability or explosive limits</b>	Not applicable	<b>Viscosity</b>	Not available
<b>SECTION 10. STABILITY AND REACTIVITY</b>			
<b>Chemical stability</b>	The product is stable.		
<b>Possibility of hazardous reactions</b>	Low corrosive to carbon steel, aluminum, zinc and copper.		
<b>Conditions to be avoided</b>	High temperatures and humidity.		
<b>Incompatible materials</b>	Low reactive with metals and bases		
<b>Productos de la descomposición peligrosos</b>	Not applicable		
<b>Special Observations</b>	Absorbs moisture from the air. It is hygroscopic.		
<b>SECTION 11. TOXICOLOGICAL INFORMATION</b>			
<b>Acute toxicity</b>	Oral :	LD <sub>50</sub> : 1581 mg/kg x weight (rat)	
	Inhalation	LC <sub>50</sub> (4hs) 3.26 mg/l air (rat)	
	Skin	Not available	
<b>Skin corrosion/irritation</b>	Contact with high concentrations of dust may cause skin irritation.		
<b>Serious eye damage</b>	Contact with high concentrations of dust may cause irritation on eye contact.		
<b>Respiratory or skin sensitization</b>	Contact with high concentrations of dust may cause irritation to the respiratory tract.		



<b>Germ cell mutagenicity</b>	It is not classified as mutagenic.										
<b>Carcinogenicity</b>	It is not classified as carcinogen.										
<b>Reproductive toxicity</b>	It is not classified as toxic for reproduction.										
<b>Specific target organ toxicity – single exposure</b>	It is not classified as toxic.										
<b>Specific target organ toxicity – repeated exposure</b>	It is not classified as toxic.										
<b>Aspiration hazard</b>	Not applicable, if the exposure limits of inhalable dust are not exceeded.										
<b>SECTION 12. ECOTOXICOLOGICAL INFORMATION</b>											
<b>Toxicity</b>	<table> <tr> <td>Fish (short lapse).</td> <td>CL50(4 days): 79 -2980 mg/l</td> </tr> <tr> <td>Invertebrates (short lapse)</td> <td>CL50(48 hs): 79 -1970 mg/l</td> </tr> <tr> <td>Algae and cyanobacterias</td> <td>EC50(72 hs): 79 mg/l</td> </tr> <tr> <td>Microorganisms</td> <td>EC50(3 hs): 1 g/l</td> </tr> <tr> <td></td> <td>NOEC (3hs): 1g/l</td> </tr> </table>	Fish (short lapse).	CL50(4 days): 79 -2980 mg/l	Invertebrates (short lapse)	CL50(48 hs): 79 -1970 mg/l	Algae and cyanobacterias	EC50(72 hs): 79 mg/l	Microorganisms	EC50(3 hs): 1 g/l		NOEC (3hs): 1g/l
Fish (short lapse).	CL50(4 days): 79 -2980 mg/l										
Invertebrates (short lapse)	CL50(48 hs): 79 -1970 mg/l										
Algae and cyanobacterias	EC50(72 hs): 79 mg/l										
Microorganisms	EC50(3 hs): 1 g/l										
	NOEC (3hs): 1g/l										
<b>Persistence and degradability</b>	Quickly biodegradable. It is not persistent.										
<b>Bioaccumulative potential</b>	Not available.										
<b>Mobility in soil</b>	Not available.										
<b>Other adverse effects</b>	Not available.										
<b>SECTION 13. DISPOSAL CONSIDERATIONS</b>											
<b>Disposal methods</b>	Recovery and reuse of the material whenever possible.										
<b>Manipulation</b>	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.										
<b>Treatment</b>	Depending on the type of contamination, consult Safety Health. In case of not being able to recover and / or reuse the material, treat it as a non-hazardous industrial waste.										
<b>SECTION 14. TRANSPORT INFORMATION</b>											
<b>International regulations</b>	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].										
<b>Special provisions for transport</b>	Land and sea transport: General cargo										
<b>Environmental hazards</b>	IMDG: Not regulated IMO: Not regulated ADN: Not regulated RID/ADR: Not regulated IATA: Not regulated										
<b>UN Number</b>	Not regulated as hazardous material										
<b>UN Proper Shipping Name</b>	Not regulated as hazardous material										
<b>Hazard class(es) for transportation</b>	Not regulated as hazardous material										
<b>Packing Group</b>	Not regulated as hazardous material										



<b>SECTION 15. REGULATORY INFORMATION</b>	
<b>Other Regulations</b>	<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 GHS            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>
<b>SECTION 16. OTHER INFORMACION</b>	
<b>Glossary</b>	<p>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.            CAS: Chemical Abstract Service.            CNRT: National Commission for Transport Regulation            DL<sub>50</sub>: Mean Lethal Dose,            CL<sub>50</sub>: Lethal Media Concentration.            EC<sub>50</sub>: 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".            CMP: Maximum permissible concentration.            MTySS: Ministry of Labor and Social Security            CLP: Classification, Labeling and Packaging [CE Regulation].</p>
<b>FOR MORE INFORMATION</b>	CONTACT PROFERTIL SA
<b>Date of the Last Revision</b>	Rev. N° 03 January 6, 2018
<b>Historial of Revision</b>	This document replaces the rev. N° 02, adapting to the Regulations indicated in the GHS and to Res. SRT No. 801/15 of Argentina.
<p><b>Notice to the Reader</b>            The information contained in this file has been developed by Profertil S.A. based on Documentation and Studies existing at the date of its elaboration, which according to the practice of the industry, are understood to be efficient and reliable. Profertil S.A does not assume responsibility or obligation for the misuse of the product. The buyer assumes all risk related to the use of this material and will be solely responsible for the product being used in a safe manner in compliance with laws, policies and guidelines on health, safety and environment.</p>	