




SAFETY DATA SHEET

Product	Personal Protection Elements		
DIAMMONIUM PHOSPHATE (DAP)	 Gloves	 Respiratory Protection	 Safety goggles

SECTION 1. PRODUCT IDENTIFICATION	
GHS Product identifier	Diammonium Phosphate
Other means of identification	DAP; diamoniactal phosphoric acid salt Ammonium Acid Phosphate
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 Imported	DISTRIBUTOR Profertil S.A. Terminal San Nicolás, Provincia de Buenos Aires - Argentina

SECTION 2. HAZARD IDENTIFICATION							
Classification of the substance	Classification		Labeled			Hazard indication code	
	Hazard class	Hazard category	Pictogram		Signal word		Hazard indication
			GHS	Model Regulations of the UN			
	Not applicable.						
Summary	Not classified as hazardous material according to Directive 92/32 / EEC and Regulation (CE) No. 1272/2008 [CLP]. The product is not considered toxic to humans. It is not listed as carcinogenic, mutagenic or teratogenic according to ACGIH, EPA, IARC, OSHA. Its decomposition can affect aquatic life. Contact with the powder of 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)
Diammonium Phosphate (DAP)	18-46-0, DAP, Diamoniactal phosphoric acid salt	7783-28-0	Ammonium salt	PO ₄ H(NH ₄) ₂	>70
Ammonium Sulfate + Monoammonium Phosphate		7783-20-2 7722-76-1		SO ₄ (NH ₃) ₂ ⁺ PO ₄ H ₂ (NH ₄)	< 25

SECTION 4. FIRST-AID MEASURES	
Contact with eyes	Contact with the dust may cause irritation to the eyes, so immediately rinse the eyes with plenty of water, at least for 15 minutes, keeping the eyelids open. Remove contact lenses if you use them and if they can be easily removed. Request medical attention.
Contact with skin	Contact with dust can 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 them before reuse.

Inhalation	Contact with dust can cause irritation to the mucous membranes and upper respiratory tract, therefore the victim should be transported to a place where he can breathe fresh clean air and keep it at rest in a comfortable position to breathe. Call a Toxicology Information Center or a Doctor in case of discomfort.
Ingestion	Rinse the mouth with water. Call a Toxicology Information Center or a Doctor in case of discomfort. Do not induce vomiting unless expressly indicated by medical personnel.
SECTION 5. FIRE-FIGHTING MEASURES	
Suitable extinguishing media	Extinguishing agent for fire A/B/C.
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. The water used for the containment of the emergency may be contaminated, proceed according to the corresponding disposal recommendations. (section 6)
Special protective actions for fire-fighters	In case of fumes or gases, those responsible for controlling the fire should use Structural Equipment for firefighters and Autonomous Breathing equipment. Collect the water used in the fight against the fire for its subsequent reuse or treatment.
SECTION 6. ACCIDENTAL RELEASE MEASURES	
Personal precautions, protective equipment and emergency procedures	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 to allow 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	Stay with your back to the wind. Absorb and / or contain the spill with inert material and place in a suitable container. The 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.
SECTION 7. HANDLING AND STORAGE	
Precautions for safe handling	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 permitted limits. Prevent handling with incompatible substances. Do not eat, drink or smoke in the work areas. Wash hands after handling products. Remove contaminated clothing and PPEs and clean up thoroughly before entering the dining rooms. Use the PPEs recommended in section 8. Do not disperse the environment,
Conditions for safe storage	Store in dry, tempered and adequately ventilated areas (if necessary using appropriate technical controls). Keep containers tightly closed and locked. Avoid contact with incompatible substances.
SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION	
Control parameters	There are no tables or limits of specific occupational exposure. ACGIH TLV-TWA / Res. MTEySS No. 295/03: Particles (insoluble) not otherwise specified (PNEOF) 10 mg / m ³ in 8 hours for inhalable particles and 3 mg / m ³ in 8 hours for respirable particles. OSHA PEL: Not Otherwise Regulated Particles: (PNOR) Total powder: 15 mg / m ³ TWA (8 hours), Breathable fraction: 5 mg / m ³ TWA (8 hours).
Appropriate engineering controls	Keep dust concentrations in air below occupational exposure limits. If necessary, local exhaust ventilation should be used.

Individual protection measures, personal protective equipment (PPEs)	To avoid contact with skin or eyes, wear long-sleeved clothing that protects the extremities and/or bodysuit, leather/PVC gloves, safety glasses. In case of high concentrations of dust in the air, use waterproof goggles, PVC gloves and approved respiratory protection for powders.		
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES			
Appearance	Physical state: Solid (crystalline granulate) Colour: Light green to dark		
Odour	Slightly ammoniacal	Vapour pressure	Not applicable
Odour threshold	Not available	Vapour density	Not applicable
pH (sol. in water)	7,5	Solubility	57,5 g/100 cc. Easily soluble in water.
Punto de fusión / solidificación	It decomposes at 155 °C	Partition coefficient: n-octanol/wáter	Not available
Initial boiling point and boiling range	Not applicable	Auto-ignition temperatura	Not applicable
Flash point	Not applicable	Decomposition temperatura	155 °C
Evaporation rate	Not applicable	Relative density	1,6 (water = 1)
Flammability	Not applicable	Apparent density	913 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	It can be corrosive to iron, mild steel, aluminum, zinc and copper.		
Conditions to be avoided	High temperatures and humidity.		
Incompatible materials	Avoid contact with alkaline materials.		
Hazardous decomposition products	Exposure to high temperatures produces toxic gases due to thermal decomposition: ammonia (NH ₃), nitrogen oxides (NO _x), phosphorus oxides (PO _x) and water. Does not polymerize.		
Special Observations	Absorbs moisture from the air. It is hygroscopic. Slow hydrolysis can produce corrosive acids.		
SECTION 11. TOXICOLOGICAL INFORMATION			
Acute toxicity	Product test results, OECD 402 acute dermal toxicity (DAP): DL ₅₀ :> 5,000 mg/kg (dermal rats) Product test results, OECD 425 acute oral toxicity (DAP): DL ₅₀ :> 2,000 mg/kg (rats)		
Skin corrosion/irritation	Contact with high concentrations of dust may cause skin irritation.		
Serious eye damage/irritation	Contact with high concentrations of dust may cause irritation when in contact with the eyes.		
Respiratory or skin sensitization	Contact with high concentrations of dust may cause irritation to the respiratory tract.		
Germ cell mutagenicity	It is not listed as mutagenic.		
Carcinogenicity	It is not listed as a carcinogen.		



Reproductive toxicity	It is not listed 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	Low toxicity in aquatic organisms. Product test results (DAP), OECD 203 toxicity 6 h CL ₅₀ (rainbow trout) for concentrations greater than 85.9 mg/l.
Persistence and degradability	Quickly biodegradable. It is not persistent. The decomposition of the product in bodies of water promotes the growth of algae, increasing the turbidity, decreasing the concentration of oxygen and preventing photosynthesis.
Bioaccumulative potential	Low bioaccumulation Log _{pow} 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 suitable containers for use or disposal. The corresponding PPEs should be used. Spillage to surface water courses or groundwater should be avoided.
Treatment	Depending on the type of contamination, consult the Medical Safety. In case of not being able to recover and / or reuse the material, it should be treated as a non-hazardous industrial waste.
SECTION 14. TRANSPORT INFORMATION	
International regulations	This product is not classified 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: Not regulated IMO: Not regulated ADN: Not regulated. RID/ADR: Not regulated. IATA: Not regulated.
UN Number	Not regulated as a hazardous material
UN Proper Shipping Name	Not regulated as a hazardous material
Hazard class(es) for transportation	Not regulated as a hazardous material
Packing Group	Not regulated as a 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 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>
SECTION 16. OTHER INFORMATION	
Glossary	<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. CL50: Lethal Media Concentration. 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 Concentration Allowed</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". MTySS: Ministry of Labor and Social Security CLP: Classification, Labeling and Packaging [EC Regulation].</p>
FOR MORE INFORMATION	CONTACT PROFERTIL SA
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