



Fertinal

PRODUCT SAFETY DATA SHEET.

PRODUCT:

**AMMONIUM PHOSPHATE
DIBASIC (DAP)**

SECTION: 1 GENERAL INFORMATION OF THE RESPONSABLE PERSON.

COMPANY

EMERGENCY PHONE/FAX:

AGROINDUSTRIAS DEL BALSAS, S.A. DE C.V. 01 (753) 53 3 36 00 EXTENSIÓN 2830 Y 2834. E-MAIL: segind@gmail.com

ADDRESS

ISLA DE EN MEDIO S/N INTERIOR RECINTO PORTUARIO 60950
STREET For. Num. Inter. Num. STREET ZIP CODE

CD. Y PTO. LAZARO CARDENAS

CD. Y PTO. LÁZARO CÁRDENAS, MICHOACÁN (MÉXICO)

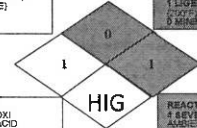
CITY CITY

SECTION: 2 GENERAL INFORMATION.

TRADE NAME: DAP
CHEMICAL NAME: AMMONIUM PHOSPHATE DIBASIC
CHEMICAL FORMULA: (NH4)2HPO4
SYNONYM: DIAMMONIUM
HYDROGEN PHOSPHATE. DIAMMONIUM SWT.
CHEMICAL FAMILY: INORGANIC SALT MIXTURE
USED: FERTILIZER.

RIESGOS A LA SALUD
4 SEVERO
3 ALTO EXTREMADAMENTE PELIGROSO
2 MODERADO (PELIGROSO)
1 LIGERO (RIESGO LEVE)
0 MINIMO (MATERIAL NORMAL)

INFLAMABILIDAD (FUEGO)
MATERIAL DE RIESGO
4 SEVERO ARDEN BAJO 21°C
3 ALTO ARDEN ARRIBA DE 21°C
2 MODERADO ARDEN ARRIBA DE 37°C (100°F)
1 LIGERO ARDEN ARRIBA DE 69.3°C (157°F)
0 RIESGO NO ARDEN (ESTABLES)



RIESGOS ESPECÍFICOS
OXIDANTE OXI
ACIDOS ACID
ALCALINOS ALC
CORROSIVOS CORR
NO USAR AGUA W
MATERIAL
RADIATIVO R

REACTIVIDAD
4 SEVERO EXPLOTAN A TEMPERATURA AMBIENTE Y PRESION NORMAL
3 ALTA EXPLOTAN CON GRANDES FUENTES DE IGNICION O REACCIONAN VIOLENTE
2 MODERADO PRESENTAN CAMBIOS QUIMICOS VIOLENTOS SIN ESTALLAR
1 LIGERO INESTABLES CON CALOR
0 MINIMO ESTABLES

SECTION 3. COMPOSITION.

% AND NAME COMPONENTES	No. CAS.	No. I.C.S.C.	R.T.E.C.S #	IPVS	DEGREE OF ACCIDENT			ESPECIFICATIONS	E.P.P.
					S	I	R		
98-100%	7783-28-0		TB9375000		1	0	1	Cloting, boots, proper gloves. Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible.	

SECTION 4. PHYSICAL PROPERTY CHEMICAL

<p>Appearance: White crystals.</p> <p>Odor: Odorless.</p> <p>Solubility: 1g/1.7ml water.</p> <p>Vapor Pressure (mm Hg): No information found.</p> <p>Evaporation Rate (BuAc=1): No information found.</p>	<p>Specific Gravity: 1.62</p> <p>pH: ca. 8.0</p> <p>% Volatiles by volume @ 21C (70F):</p> <p>Boiling Point: Not applicable.</p> <p>Melting Point: 155C (311F) Decomposes.</p> <p>Vapor Density (Air=1): No information found.</p>
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FERTINAL, ISLA DE EN MEDIO S/N, RECINTO PORTUARIO, CD. LÁZARO CÁRDENAS, MICHOACÁN C.P. 60950

PRODUCER: AGROINDUSTRIAS DEL BALSAS, S.A. DE C.V.



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SECTION 5. EMERGENCY AND FIRST AID PROCEDURES.

EAST OF EXTINCTION
NIEBLA WATER: _____ **ESPUMA:** _____ **CO2:** _____ **FOAM DRY** X **ANOTHER (ESPECIFY):** _____

PERSONAL PROTECCION

PROCEDURES AND SPECIAL PRECAUTIONS IN FIGHTING FIRE: FUELL IS NOT IN CASE OF FIRE SEE WHERE ARE INVOLVED

CONDITIONS OTHER RISK FACTORS LEADING TO SPECIAL:
 Use protective clothing and breathing equipment appropriate for the surrounding fire.

Explosion:
 Not considered to be an explosion hazard.

SECTION 6. REACTIVITY DATA

SUBSTANCE	CONDITIONS TO AVOID
ESTABLE: <u>X</u> INESTABLE: _____	THE DANGEROUS PRODUCTS

POLYMERIZATION SPONTANEOUS: _____ **CAN OCCUR:** _____ **NO CAN OCCUR:** X

CONDITIONS TO AVOID: _____

SECTION 7. RISKS FOR THE HEALTH.

1ST. PART.	HEALTH EFFECTS.
STATEMENT BY ACUTE	A) ACCIDENTAL INGESTION: Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea.
	B) INHALATION: Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath.
	C) SKIN (CONTACT AND ABSORPTION): Causes irritation to skin. Symptoms include redness, itching, and pain.
	D) EYES: Causes irritation, redness, and pain.

STATEMENT BY THE CHRONICLE

SUBSTANCE CONSIDERED AS CHEMICAL: **CARCINOGENIC:** NO _____ **MUTOGENIC:** NO **TERATOGENIC:** NO _____ **ANOTHERS:** _____

STPS (NOM-010-STPS) YES: _____ **NO:** X **(ESPECIFICATION):** _____

SOURCE: NIOS YES: _____ **NO:** _____ **ESPECIFICATION:** _____

SUPPLEMENTARY INFORMATION (LD50, LC50, ETC.)
 No. LD50/LC50 INFORMATION FOUND RELATING TO NORMAL ROUTES OF OCCUPATIONAL EXPOSURE.

2ND. PART.	EMERGENCY AND FIRST AIDS.
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Inhalation:
 Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:
 Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact:
 Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact:
 Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention.



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SECTION 8. RECOMMENDATIONS IN CASE OF ESCAPE(FUGUE) OR SPILLAGE

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Small amounts of residue may be flushed to sewer with plenty of water.

SECTION 9. SPECIAL PROTECTION.

For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. skin protection, wear impervious protective clothing, boots, gloves, Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye

SECTION 10. INFORMATION ABOUT TRANSPORTATION.

DOMESTIC:	NO REGULATED
PROPER SHIPPING NAME:	NO REGULATED
INTERNATIONAL:	NO REGULATED
PROPER SHIPPING NAME:	NO REGULATED

SECTION 11. INFORMATION ABOUT ECOLOGY.

MOBILITY. THE NO_3^- ION IS MOBILE; THE NH_4^+ ION IS ABSORBED BY SOIL PARTICLES. PHOSPHATE, WATER WATER OR CITRATE SOLUBLE, ARE TRANSLOCATED IN THE SOIL ONLY OVER VERY SHORT DISTANCE AND ARE THEN IMMOBILISED. THE DISSOLVED K^+ ION IN THE SOIL SOLUTION IS ABSORBED BY CLAY MINERALS; ONLY IN LIGHT SOILS WHERE THESE ARE ABSENT CAN PART OF THE POTASSIUM BE LEACHED. THE NITROGEN FOLLOWS THE NATURAL NITRIFICATION/DENITRIFICATION CYCLE TO GIVE NITROGEN OR NITROGEN OXIDES. PHOSPHATE ARE CONVERTED TO CALCIUM OR IRON/ALUMINIUM PHOSPHATES, OR ARE INCORPORATED INTO THE ORGANIC SOIL MATTER. POTASSIUM IS MAINLY ADSORBED BY CLAY MINERALS. **BIO-ACUMULATION:** THE PRODUCTS DOES NOT SHOW ANY BIO-ACCUMULATION PHENOMENA. **ECOTOXICITY:** LOW TOXICITY TO AQUATIC LIFE.

SECTION 12. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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SECTION 13. TRANSPORT INFORMATION.

NOT REGULATED.

SECTION 14. OTHER INFORMATION.

Label Hazard Warning:

WARNING! CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. HARMFUL IF SWALLOWED OR INHALED.

Label Precautions:

Avoid contact with eyes, skin and clothing.

Avoid breathing dust.

Wash thoroughly after handling.

Keep container closed.

Use only with adequate ventilation.

Label First Aid:

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes.

Remove contaminated clothing and shoes. Wash clothing before reuse. If inhaled, remove to fresh air

If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. In all cases, get medical attention.

Product Use:

Laboratory Reagent.

Revision Information:

No Information Found.