



ALVOS
INTERNATIONAL

SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product Name	Monoammonium Phosphate
Chemical Formula	$\text{NH}_4\text{H}_2\text{PO}_4$
Supplier	Alvos International LLC 3726 Las Vegas Boulevard, Suite 702 W Las Vegas, NV 89158
Telephone	(760) 707 6781
Emergency Telephone	(800) 535 5053

SECTION 2: HEALTH HAZARD INFORMATION

GHS Signal Word:	Not a hazardous substance or mixture.
GHS Hazard Pictograms:	Not a hazardous substance or mixture.

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS.

Chemical Name:	CAS-NO:	Percentage:
Monoammonium Phosphate	7722-76-1	> 95%

SECTION 4: FIRST AID MEASURES

Ingestion	Make victim drink water (two glasses at most). Consult doctor if feeling unwell.
Skin	Take off immediately all contaminated clothing. Rinse skin with water/ shower.
Eyes	Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists.

Inhalation	If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
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SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	No limitations of extinguishing agents.
Special protective equipment	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. Do not let product enter drains. Cover drains. Collect, bind, and pump off spills. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

SECTION 7: HANDLING AND STORAGE

Handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Storage	Store in tightly closed container in a well-ventilated place.

SECTION 8: PERSONAL PROTECTION INFORMATION

Eye/face protection	Wear safety glasses with side shields (or goggles)
Hand protection	Wear appropriate chemical resistant gloves. Glove material: Nitrile rubber Layer thickness: 3 to 8 mm Breakthrough time: > 480 min.
Skin protection	Use of an impervious apron is recommended. Wear appropriate chemical resistant clothing.
Respiratory protection	Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White crystals.
Odor	None
pH	3.8 – 4.4 at 50 g/l at 25°C
Melting Point	197°C

SECTION 10: STABILITY AND REACTIVITY DATA

Stability	Product is stable under normal conditions.
Materials to Avoid	Violent reactions possible with: Strong oxidizing agents
Hazardous Decomposition	Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Skin	Prolonged skin contact may cause temporary irritation.
Eyes	Direct contact with eyes may cause temporary irritation.
Carcinogenicity	Not identified.
Inhalation	LC50 Rat 5.25 mg/l, 4h
Oral	LD50 Rat 2,000 mg/kg
Skin irritation:	Rabbit – No skin irritation 24 h
Eye irritation:	Rabbit – No skin irritation

SECTION 12: ECOLOGICAL INFORMATION

Toxicity to fish	static test LC50 - <i>Oncorhynchus mykiss</i> (rainbow trout) > 100 mg/l - 96 h (OECD Test Guideline 203)
Toxicity to daphnia	static test EC50 - <i>Daphnia magna</i> (Water flea) > 100 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to algae	static test ErC50 - <i>Pseudokirchneriella subcapitata</i> (green algae) > 100 mg/l - 72 h (OECD Test Guideline 201)
Toxicity to bacteria	static test EC50 - activated sludge > 100 mg/l - 3 h (OECD Test Guideline 209)

SECTION 13: DISPOSAL INFORMATION

Waste Disposal Methods Small quantities can usually be disposed of at landfill sites. No special disposal treatment is required, but local authorities should be consulted about any specific local requirements. Tonnage quantities of product are not recommended to be sent to landfills. Such product should, if possible, be used for an appropriate application.

SECTION 14: TRANSPORT INFORMATION

Not hazardous product according to DOT, IATA and IMDG transport classifications.

SECTION 15: OTHER REGULATORY INFORMATION

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed.
SARA 304 Emergency release notification	Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)	Not listed.
Toxic Substances Control Act (TSCA)	Designated "active".
SARA 302 Extremely hazardous substance	Not listed.
SARA 311/312 Hazardous chemical	Not listed.
SARA 313 (TRI reporting)	Not regulated.
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention	Not regulated.
Safe Drinking Water Act	Not regulated.

Inventories:

Canada	Domestic Substances List (DSL)	On inventory
United States	Toxic Substances Control Act (TSCA)	On inventory

SECTION 16: OTHER INFORMATION

All information in this SDS was obtained from sources we believe are reliable. However, the information is provided without any warranty or representation, expressed or implied, regarding its accuracy.