

Safety Data Sheet

Section 1: Identification

Product Name: Simphos 11-24 Mono Ammonium Phosphate Feed Grade

Other Name/Synonyms: MAP

Product Form: Mixture

Product Use: Animal Feed Supplement

Company Identification:

Origination, LLC
1802 Wooddale Drive, Suite 200
Woodbury, MN 55125

For information, call: 1-800-625-6079

Emergency Number: 1-800-625-6079

For CHEMTREC assistance, call: 1-800-424-9300

For International CHEMTREC assistance, call: 703-527-3887

Section 2: Hazard(s) Identification

GHS-US classification

Eye Irrit. 2B H320
STOT SE 3 H335

GHS-US labelling

Signal word (GHS-US): Warning.

Hazard pictograms (GHS-US): GHS07



Hazard statements (GHS-US):

H320 - Causes eye irritation.
H335 - May cause respiratory irritation.

Precautionary statements (GHS-US):

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash ... thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a poison center/doctor/... if you feel unwell.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.

Other hazards: No additional information available.

Unknown acute toxicity (GHS-US): No data available.

Section 3: Composition / Information on Ingredients

Chemical Name and Synonyms	C.A.S. No.	%	GHS-US classification
Monoammonium Phosphate	7722-76-1		Eye Irrit. 2B, H320 STOT SE 3, H335

*ingredients without WT% are considered proprietary based on trade secrets

Section 4: First Aid Measures

First aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms/injuries after eye contact: Causes eye irritation.

Immediate medical attention and special treatment needed: No additional information available.

Note to physician: None.

Section 5: Fire Fighting Measures

Extinguishing Media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

Special hazards arising from the substance or mixture: No additional information available.

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6: Accidental Release Measures

Emergency procedures: Evacuate unnecessary personnel. Ventilate area.

Protective equipment: Equip cleanup crew with proper protection.

Environmental precautions: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Spill containment and clean-up: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

Section 7: Handling and Storage

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well ventilated area.

Storage conditions: Keep only in the original container in a cool, well ventilated place away from other materials. Keep container tightly closed.

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Sources of ignition. Direct sunlight.

Section 8: Exposure Controls, Personal Protection

Exposure Controls

Personal protective equipment: Avoid all unnecessary exposure.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Wear appropriate mask.

Other information: Do not eat, drink or smoke during use.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance Form: Granules.

Physical State: Solid.

Color: Light Green.

Odor: Odorless.

pH: No data available.

Melting Point: No data available.

Freezing Point: No data available.

Flash Point: No data available.

Auto ignition temperature: No data available.

Vapor Pressure: No data available.

Density: 65 lbs./ft³ (Bulk Density)

Solubility: Soluble.

Water: Solubility in water of component(s) of the mixture: • Monoammonium Phosphate: 38 g/100ml

Other: No additional information available.

Viscosity: No data available.

Oxidizing: No data available.

Explosive: No data available.

Section 10: Stability and Reactivity

Chemical Stability: Not established.

Reactivity: No additional information available.

Possible hazardous reactions: Not established.

Conditions to Avoid: Direct sunlight. Extremely high or low temperatures.

Incompatible materials: Strong acids. Strong bases.

Hazardous decomposition products: Fumes. Carbon monoxide. Carbon dioxide.

Section 11: Toxicological Information

Acute and chronic toxicity: Not classified.

Irritation: Causes eye and respiratory irritation.

Symptoms: Based on available data, the classification criteria are not met.

Mutagenicity and carcinogenicity: Not classified.

Acute and chronic effects: Not classified.

Measures of toxicity: Not classified.

Monoammonium Phosphate (7722-76-1)	
LD50 oral rat	5750 mg/kg (Rat)
LD50 dermal rat	> mg/kg
LD50 dermal rabbit	> 7940 mg/kg (Rabbit)
ATE US (oral)	5750.00000000 mg/kg bodyweight

Skin corrosion/irritation: Not classified.

Serious eye damage/irritation: Causes eye irritation.

Respiratory or skin sensitisation: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

Specific target organ toxicity (single exposure): May cause respiratory irritation.

Specific target organ toxicity (repeated exposure): Not classified.

Aspiration hazard: Not classified.

Potential adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms/injuries after eye contact: Causes eye irritation.

Section 12: Ecological Information

Monoammonium Phosphate (7722-76-1)

LC50 fishes 1

155 ppm (96 h; Pimephales promelas)

Simphos 11-24P Mono-Ammonium Phosphate

Persistence and degradability.
Not established.

Monoammonium Phosphate (7722-76-1)

Persistence and degradability.
Biodegradability in water: no data available. Not established.

Simphos 11-24P Mono-Ammonium Phosphate

Bioaccumulative potential Not established.
Monoammonium Phosphate (7722-76-1)
Bioaccumulative potential: Not bioaccumulative. Not established.

Mobility in soil: No additional information available.

Effect on ozone layer: No additional information available.

Effect on the global warming: No known ecological damage caused by this product.

Other information: Avoid release to the environment.

Environmental Impacts: Do not contaminate waterways or any body of water by direct application, cleaning of equipment or disposal.

Section 13: Disposal Considerations (non-mandatory)

Disposal Methods: Dispose in a safe manner in accordance with local/national regulations.

Waste materials/numbers/code/treatment: Avoid release to the environment.

Section 14: Transport Information

In accordance with DOT: Not regulated by DOT.

Other information: No supplementary information available.

ADR: Transport document description.

Transport by sea: No additional information available.

Air transport: No additional information available.

Section 15: Regulatory Information

US Federal regulations: Simphos 11-24P Mono-Ammonium Phosphate.

Not listed on the United States TSCA (Toxic Substances Control Act) inventory. All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

CANADA: No additional information available.

EU-Regulations: No additional information available.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC: Not classified.

California Proposition 65: This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm.

Section 16: Additional Information

Prepared by: Origination, LLC

Prepared: November 12, 2020

Inc. Disclaimer:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Origination be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Origination has been advised of the possibility of such damages.