



Hazard Communication Standard Safety Data Sheet (SDS)

Arizona's Best Ammonium Phosphate 16-20-0

Supersedes all prior versions

Issuing Date: 8/15/2015

1. Product and Company Identification

Product Name(s)/Synonyms: Arizona's Best Ammonium Phosphate 16-20-0, LG 40008, LG 40008-50, LG 40009
Recommended Use: Plant and lawn nutrient fertilizer.
Information on Manufacturer: Western Organics, Inc.
420 E. Southern Ave.
Tempe, AZ 85282
602-792-0275
Emergency Telephone Numbers: 800-424-9300 (Chemtrec)
800-222-1222 (American Association of Poison Control)

2. Hazards Identification

WARNING

Hazard Classification:

Eye irritation - Category 2B
STOT SE - Category 3



Hazard Statement(s):

May cause serious eye and/or respiratory irritation.

Precautionary Statement(s):

Prevention: Wear protective gloves, clothing, eye, face protection. Use only outdoors or in a well ventilated area.
Wash thoroughly after handling. Call poison control or doctor if feeling unwell.
Inhaled: Avoid breathing dust/fume/gas/vapors/spray. If inhaled, remove person to fresh air and keep comfortable for breathing. Get medical attention if irritation persists.
Eyes: If in eyes, rinse cautiously with water for 15 minutes. Remove contacts if present and easy to do after 5 minutes. Continue rinsing. Get medical attention if irritation persists.

Unclassified Hazard(s) Description: n/a

Other Information: No additional information available.

3. Composition / Information on Ingredients

Chemical/Component Name	Common Name	CAS #	%	Other
Ammonium Sulfate		7783-20-2	25	
Mono-ammonium Phosphate		7722-76-1	25	
Calcium sulfate Dihydrate		13397-24-5	10-14	
Inert		n/a	36-40	

4. First Aid Measures

Eye Contact:

Hold eye open and rinse slowly and gently with water for 15 minutes. Remove contact lenses if present and easy to do so after 5 minutes, then continue rinsing. Seek medical assistance if irritation persists.

Skin Contact:

Take off contaminated clothing. Rinse skin immediately with plenty of soap and water for 15 minutes. Seek medical assistance if rash/skin irritation developed or persists.

Ingestion:

Rinse mouth. Call poison control if feeling unwell. Do not induce vomiting unless told to do so by a poison control center or doctor. Never give anything by mouth to an unconscious person.

Inhalation- Dust or Fumes:

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, if possible. If breathing is difficult, seek immediate medical assistance. Call a poison control center or doctor for further advise.

5. Fire-Fighting Measures

Suitable Extinguishing Media:

Use foam, Co2, dry chemical, water spray (fog) methods or sand.

Unsuitable Extinguishing Media:

Do not use jet stream as it may spread fire.

Firefighters:

Wear self contained breathing apparatus and full protective gear.

Unusual Fire and Explosion Hazards:

Dust/gas suspended in air is readily ignited by flames, static electricity, or friction. Sulfur dioxide reacts with water to form sulfuric acid. High temperatures will release toxic gases.

6. Accidental Release Measures

Personal Precautions:

Use dust mask to avoid inhalation of particles. Use protective clothing and equipment. Do not get in eyes.

Environmental Precautions:

Keep spills and runoff from municipal sewers and open bodies of water. Notify authorities if product enters sewers or public waters.

Methods for Containment:

Cleanup the spill promptly by sweeping, scooping, and/or vacuum. Minimize dust generation.

Methods for Cleaning up:

Contain and dispose of per local and federal regulations. Spray area to wash off residue.

Wash off any exposed skin. Collect and reuse if uncontaminated.

7. Handling and Storage

Handling:

Avoid container breakage. Minimize dust generation. Wear appropriate clothing and eye protection. Use with adequate ventilation. Keep away from open flames. Do not eat, drink, or smoke before, after, or while using product.

Storage:

Store in original containers only. Keep container closed and in a dry, cool, ventilated location. Best to always store away from children, pets, and flame sources. Do not store in metal containers.

8. Exposure Controls / Personal Protection

Component(s)	ACGIH TLV	OSHA PEL
Ammonium Sulfate (7783-20-2)	10 mg/m ³	n/a
Mono-ammonium Phosphate (7722-76-1)	n/a	n/a

Engineering Controls: Not normally required if applied outdoors. If used indoors, use adequate ventilation. Avoid all unnecessary exposure. Use personal protective equipment.

Personal Protective Measures:

Face and Eye: Safety glasses with side shields or goggles.

Skin/body: Long sleeve clothing. Impervious gloves recommended for best protection.

Respiratory: For normal applications, engineering controls and NIOSHA/MSHA approved dust masks. Positive- pressure supplied air respirators may be required for high airborne concentrations.

9. Physical and Chemical Properties

Physical State: Solid	Color: Colorless to dark grey
Appearance: Granular	Vapor Pressure: Not established
Odor: Slight	Vapor Density: Not established
Odor Threshold: 17 ppm (ammonia)	Relative Density: Not established
pH: Not established	Solubility(ies): Partially
Melting/Freezing Point: Not established	Partition Coefficient:
Boiling Point and Range: Not established	n-octano/water: Not established
Flash Point: Not established	Auto-ignition Temp: Not established
Evaporation Rate: Not established	Decomposition Temp: Not established
Flammability (solid, gas): Not established	Viscosity: Not established
Flammability Limits: Not established	Decomposition Temp: Not established
Upper:	Bulk Density: 63-65 lbs/ft ³
Lower:	Specific Gravity (H₂O=1): Not established

10. Stability and Reactivity

Reactivity: No additional information available.

Chemical Stability: Stable under recommended storage and use conditions.

Hazardous Reactions: Not established.

Conditions to Avoid: Extremely high temperatures. Direct sunlight.

Incompatible Materials: Strong oxidizers (i.e., liquid chlorine, concentrated oxygen, sodium hypochlorine calcium hypochlorite, etc. as these present an explosion hazard.) Strong acids and strong bases. Moisture. Strong alkalis.

Hazardous Decomposition: Extremely high temperatures. NH₃, CN, SO_x, PO_x, CO_x, NO_x. Fume. Carbon monoxide. Carbon dioxide. Avoid contact with moisture- slow hydrolysis will produce corrosive acids.

11. Toxicological Information

Likely Routes: Inhalation, skin, eye contact, ingestion.

Toxicological Effects

Immediate Exposure:

Mono-ammonium Phosphate- **Oral** - LD 50 (rat): 2000 mg/kg.
Dermal - LD50 (rat): 5000 mg/kg est..

Ammonium Sulfate- **Oral** - LD 50 (rat): 3000 mg/kg.

Long Term Exposure: No applicable information found.

Toxicity Measures (data): No applicable information found.

Toxicity Symptoms: Possible serious eye damage. May cause skin and respiratory tract irritation.

Known Carcinogenicity: None listed in OSHA, NTP, IARC, or ACGIH.

12. Ecological Information

*Refer the reader to Section 8 (Exposure Controls/Personal Protection) of the SDS.

Ecotoxicity Data:

Ammonium Sulfate (7783-20-2)-	No oral or dermal lab testing data found. Will release ammonium ions in water by hydrolysis, which is toxic to aquatic organisms.
Mono-ammonium Phosph. (7722-76-1)-	LC50 (fish) 1: 155 ppm (96 j; Pimephales promelas)
Persistence and Degradability:	No applicable information found.
Bioaccumulative Potential:	No applicable information found.
Leaching Risk:	No applicable information found. In general, avoid applying on or near bodies of water.
Other Adverse Effects:	No applicable information found.

13. Disposal Considerations

Waste Disposal Methods:	Conform with applicable local and federal regulations. Do not dispose of into drains or in or near water sources. Do not use metal waste containers to store in.
Contaminated Packaging:	Dispose of in accordance with local regulations. Do not reuse container.

14. Transport Information

DOT	(Land)	No restrictions, not regulated.
IATA	(Air)	Consult appropriate ICAO/IATA and IMDG regulations.
IMDG	(Sea)	Consult appropriate ICAO/IATA and IMDG regulations. Not classified as a marine pollutant.

15. Regulatory Information (non-mandatory)

TSCA:

11-52-0 MonoAmmonium Phosphate not listed. Mono-ammonium Phosphate (7722-76-1) listed.

US Federal Regulations:

No additional information available.

SARA 311/312 Hazard Categories:

Mono-ammonium Phosphate		
Acute Health Hazard	Yes	
Chronic Health Hazard	No	
Fire Hazard	Yes	
Sudden Release of Pressure Hazard	No	
Reactive Hazard	No	
Ammonium Sulfate	Not listed.	

Clean Water Act:

This product does not contain any substances regulated as pollutants pursuant to the CWA (40 CFR 122.21 & 122.42)

California Proposition 65

This product does not contain any Proposition 65 chemicals.

* Check state Right To Know (RTK) Hazardous Substance listings for more information.

16. Other Information

NFPA: **Health:** 1 **Flammability:** 1 **Reactivity:** 0
Hazard Rating: 0=Least; 1=Slight; 2=Moderate; 3=High; 4=Severe

Disclaimer

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