

Magruder 250811

21-7-14

results due September 15, 2025

Guaranteed Analysis

Total Nitrogen (N)	21.0 %
11.1 % Ammoniacal Nitrogen	
9.9 % Nitrate Nitrogen	
Available Phosphate (P ₂ O ₅)	7.0 %
Soluble Potassium (K ₂ O)	14.0 %
Sulfur (S)	5.0 %
5.1 % Combined Sulfur	

Derived from: Ammonium Nitrate, Monoammonium Phosphate, Diammonium Phosphate, and Potassium Sulfate

Also analyze for:

As (ppm), Cd (ppm), Cr (ppm), Co (ppm), Pb (ppm),
Hg (ppm), Mo (ppm), Ni (ppm), Se (ppm), Cu (%) and Zn (%)

The units above are those required for reporting data from this Magruder sample. They may not be the units required on a commercial fertilizer label.

Note: This Magruder Check Sample material is not to be used in the manufacture of products nor applied to any crops or for other fertilizer uses. It is intended for analytical testing purposes only.

SDS for this product can be found at:

<https://www.magruderchecksample.org/SDS/250811GuarSDS.pdf>

SDS for Magruder 250811

Arizona's Best Four Seasons Lawn Food 21-7-14

Supersedes all prior versions

Issuing Date: 6/8/2015

1. Product and Company Identification

Product Name(s)/Synonyms: Arizona's Best Four Seasons Lawn Food 21-7-14, AZB10032, AZB10032-80, Turf Royale®

Recommended Use: Lawn and plant 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: Not considered hazardous by the OSHA Hazard Communication Standard.



Hazard Statement(s):

Contact to eye(s) may cause irritation. Considered generally non-toxic if ingested.
Larger pieces may pose choking hazard. May cause respiratory irritation if inhaled.
May aggravate pre-existing respiratory conditions.

Precautionary Statement(s): Keep away from children and pets. Product forms slippery surface when wet.

Unclassified Hazard(s) Description: No information available.

3. Composition / Information on Ingredients

Chemical/Component Name	Common Name	CAS #	%	Other
Nitric acid ammonium salt (1:1)	Ammonium nitrate	6484-52-2	>=45-<50	Trade Secret
Nitric acid potassium salt		7757-79-1	>=10-<12.5	Trade Secret

4. First Aid Measures

Eye Contact:

Hold eye open and rinse slowly and gently with water for several minutes. Remove contact lenses, if present and easy to do, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin Contact:

Take off contaminated clothing. Rinse skin immediately with plenty of water for several minutes. Call a poison control center or doctor for treatment advice should a rash/skin irritation develop.

Ingestion:

Wash out mouth with water. If swallowed, have person drink small quantities of water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if adverse health effects persist or are severe.

Do not 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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

5. Fire-Fighting Measures

Suitable Extinguishing Media:

Use flooding quantities of water for extinction.

Unsuitable Extinguishing Media:

Chemical , foam, steam, or sand.

Firefighters:

Decomposition from heat can create toxic fumes containing nitrogen oxides and ammonia.

Wear self contained breathing apparatus and full protective gear and positive pressure mode.

Unusual Fire and Explosion Hazards:

Decomposition products may include: Nitrogen oxides, sulfur oxides, phosphorus oxides, halogenated compounds, metal oxide/oxides. Toxic symptoms may be delayed.

6. Accidental Release Measures

Personal Precautions:

Use dust mask to avoid inhalation of particles. Put on appropriate protective equipment.

Environmental Precautions:

Keep spills and runoff from municipal sewers and open bodies of water. Inform relevant authorities if product has caused environmental pollution.

Methods for Containment:

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

Methods for Cleaning up:

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

Wash off any exposed skin.

7. Handling and Storage

Handling:

Avoid container breakage. Use proper lifting techniques. Wear appropriate clothing. Eating drinking and smoking should be prohibited in areas where handled. Do not ingest.

Avoid contact with eyes, skin, and clothing. Do not reuse container.

Storage:

Store in original containers only. Keep container closed and in a dry, ventilated location.

Best to always store away from children, pets, and flame sources. Avoid direct sunlight.

Keep away from organic materials, oil and grease.

8. Exposure Controls / Personal Protection

Component(s)	ACGIH TLV	OSHA PEL
Calcium fluoride (CaF ₂)	2.5 mg/m ³	2.5 mg/m ³

Engineering Controls:

Not normally required if applied outdoors. If used indoors, use adequate ventilation to keep the airborne concentrations below the recommended exposure standard.

Personal Protective Measures:**Face and Eye:**

Safety glasses or goggles.

Skin/body:

Appropriate protective clothing and gloves should be considered. Wash exposed skin after handling.

Respiratory:

Use engineering controls and NIOSHA/MSHA approved dust masks.

9. Physical and Chemical Properties

Physical State:	Solid	Color:	Gray to off white
Appearance:	Prills	Vapor Pressure:	Not established
Odor:	Odorless	Vapor Density:	Not established
Odor Threshold:	Not established	Relative Density:	Not established
pH:	4.5	Solubility(ies):	
Melting/Freezing Point:	Decomposes: 160 Deg. C (320 Deg. F)	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:	160 Deg. C (320 Deg. F)
Flammability (solid, gas):	Not established	Viscosity:	Not established
Flammability Limits:		Decomposition Temp:	
Upper:	n/a	Bulk Density:	1000 kg/m3
Lower:	n/a	Specific Gravity (H2O=1):	Not established

10. Stability and Reactivity

Reactivity:	No specific test data related to this product or its ingredients.
Chemical Stability:	Stable under recommended storage conditions.
Hazardous Reactions:	None under normal use.
Conditions to Avoid:	Avoid contamination by any source including metals, dust, and organic materials. Moisture.
Incompatible Materials:	Alkalis. Combustible materials. Reducing materials. Organic materials. Acids.
Hazardous Decomposition:	Stable under recommended storage conditions.

11. Toxicological Information

Likely Routes:	Inhalation, skin, eye contact, ingestion.
Toxicological Effects	
Nitric acid ammonium salt:	Acute Oral: LD50 Oral (rat) 2950 mg/kg Acute Dermal: LD50 (rat) >5000 mg/kg OECD 402
Nitric acid potassium salt:	Acute Oral: LD50 Oral (rat) 2000 mg/kg Acute Dermal: LD50 (rat) >5000 mg/kg OECD 402
Mixture Summary:	No known significant effects or critical hazards.
Long Term Exposure:	No known significant effects or critical hazards.
Toxicity Symptoms:	Possible irritation, breathing difficulty, and/or nausea.
Known Carcinogenicity:	Inadequate evidence in humans and in animals for the carcinogenicity of nitrate in food.

Nitric acid ammonium salt:	Nitrate can be reduced to form nitrite and under acidic conditions nitrite may react to generate N-nitroso compounds (endogenous nitrosation). Under conditions that result in endogenous nitrosation ing
Nitric acid potassium salt:	IARC group 2A
<u>Potential acute health effects:</u>	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

12. Ecological Information

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

Ecotoxicity Data:	No known negative effects when used as directed.
Nitric acid ammonium salt:	Acute Fish: LC50 447 mg/l (fresh water); Aquatic Invertebrates EC50 490 (fresh water)
Nitric acid potassium salt:	Acute Fish: LC50 1378 mg/l (fresh water); Aquatic Invertebrates EC50 490 (fresh water)
Persistence and Degradability:	No known significant effects or critical hazards.
Bioaccumulative Potential:	No known significant effects or critical hazards.
Leaching Risk:	n/a
Other Adverse Effects:	No known significant effects or critical hazards.

13. Disposal Considerations

Waste Disposal Methods:	No special disposal methods required. Conform with applicable local and federal regulations. Avoid dispersal and/or contact with soil near waterways, drains, and sewers.
Contaminated Packaging:	Dispose of in accordance with local regulations. Do not reuse container.