

1. Identification

Product identifier: SmartBlend™ Rizen™ 7-28-3
 Common Name: Aqueous solution
 Recommended use: Fertilizer
 Chemical Name and Synonym: Ammonium Polyphosphate
 Company: Fertilizer Company of Arizona, Inc.
 2850 South Peart Road
 Casa Grande, Arizona 85193-9024
 520-836-7477
 www.fertizona.com
 In case of emergency call: 928-783-3803

2. Hazards Identification

Classification: This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
 Signal Word: No signal word
 Hazard Statements: Not applicable.
 Precautionary Statements:
 Prevention: Not applicable.
 Response: Not applicable.
 Storage: Not applicable.
 Disposal: Not applicable.

Hazards Not Otherwise Classified: As with all chemicals, avoid contact with eyes, skin, and clothing. This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have harmful or damaging effect on the environment.

3. Composition/Information on Ingredients

Chemical Ingredients:	CAS #:	%
Ammonium Polyphosphate	68333-79-9	70-74
Proprietary Mixture		12-14
Water	7732-18-5	14-18

4. First Aid Measures

Work/Hygienic Practices: Keep out of reach of children. Avoid contact with eyes, skin, and clothing. Avoid inhalation of spray mists. Wash thoroughly with water after handling. Do not eat, drink, or smoke while using this product.

If in eyes:	Rinse cautiously with water for several minutes, remove contact lenses, if present and easy to do. Continue rinsing.
	If eye irritation persists, get medical attention.
If on skin:	Wash with plenty of soap and water.
	Take off contaminated clothing and wash before reuse.
	If skin irritation persists, get medical advice.
If swallowed:	Rinse mouth.
	Call a poison control center or doctor for treatment advice.
If inhaled:	Remove to fresh air and keep comfortable for breathing.
	Call poison control if you feel unwell.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
For emergencies, call a doctor or poison control center 1-800-222-1222.	

ACUTE EFFECTS

Eyes: Moderate irritant. May cause redness and burning.
Skin: Irritant, especially from prolonged exposure. Causes redness, drying and cracking.
Ingestion: May cause stomach cramps and/or nausea.
Inhalation: None expected but inhalation of aerosol mist may cause mild irritation of nasal mucous membranes.

5. Fire Fighting Measures

Flash Point: Not flammable.
Extinguishing media: Use medium appropriate to surrounding fire. Dry chemical, CO₂, foam, water spray or fog.
Unusual fire and explosion properties: None known
Unsuitable Extinguishing Media: Heavy water spray
Special Firefighting Procedures: Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear. Avoid smoke inhalation. Remain upwind. Contain any liquid runoff.
Hazardous Combustion Products: Toxic gases may be formed in a fire situation. Carbon monoxide and other asphyxiates may form as well.
Unusual Fire and Explosion Hazards: Closed containers may explode from vapor expansion in high heat. Product may burn under fire conditions. Containers adjacent to fire may be cooled by a stream of water.
Ventilation: Recommended but no TLV established.

6. Accidental Release Measures

In case of spill or leak: Avoid breathing vapors or mists. Collect as much liquid as possible in a clean container for reuse or absorb and sweep up immediately and transfer to suitable containers for disposal. Flush spill area with water after clean up. Check local, state and federal regulations for proper disposal.
CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.
Personal Precautions: Refer to Section 8 for personal protective equipment to be worn during containment and cleanup of a spill involving this product
Environmental Precautions: Contain all spills and leaks to prevent discharge into the environment. Methods for Clean-up: If spilled, use appropriate absorbent material to absorb the spilled material and flush spilled area with water. Consult local waste regulators for proper disposal.
Respiratory Protection: If use generates an aerosol mist or respiratory irritation, use NIOSH- approved dust/mist respirator (3M #8710).

7. Handling and Storage

Handling: Keep out reach of children. Avoid contact with eyes, skin, and clothing. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Wash thoroughly after handling and put on clean clothing. Do not contaminate feed and foodstuffs.
Storage: Store in original container in a well-ventilated area above 40° F. Do not store in contact with brass. Keep tightly closed when not in use. Store away from children, feed and food products, and seed. Do not contaminate water, food or feed by storage or disposal. If packaged, do not stack pallets more than two (2) high.
Transfer Equipment: Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.

8. Exposure Controls and Personal Protection

Ventilation measures: Use adequate ventilation.
Respiratory protection: Not normally needed. If use generates an aerosol mist or respiratory irritation use NIOSH approved mist respirator (CM #8710).
Skin protection: Wear protective clothing: long sleeves and pants, shoes with socks. Wear protective waterproof or chemical-resistant gloves.
Eye/face protection: Wear safety glasses with side shields or safety goggles to prevent eye contact.

No additional information is available.

9. Physical and Chemical Properties

Appearance: Transparent. Green in color
Odor: No discernible odor.
Odor threshold: N/Av
pH: 6
Melting point/Freezing point: N/Av
Initial boiling point and boiling range: 103° C (217° F)
% volatile by Weight: N/Av
Flash point: N/Av
Evaporation rate: same as water
Flammability: N/Av
Upper/lower flammability and explosive limits: N/Av
Vapor pressure: N/Av
Vapor density (air = 1): < 1.0
Density: 12.0 lbs/gal
Specific gravity (water = 1): 1.439
Solubility(ies): completely miscible
Partition coefficient (n-octanol/water): N/Av
Auto-ignition temperature: N/Av
Decomposition temperature: N/Av
Viscosity: 140cP at 18.3° C

N/Av = Not available

N/Av = Not applicable

10. Stability and Reactivity

Stability: Stable. Avoid contact with low pH acids. Sulfur trioxide fumes at temperatures > 575° C.
Hazardous polymerization: Will not occur.
Conditions to avoid: Direct sunlight. Extremely high or low temperatures. Avoid mixing with strong acids, bases, or oxidizers.
Hazardous decomposition: Combustion may produce toxic fumes, such as NH₃, PO_x, CO, CO₂, and SO₂.
Incompatible materials: Zinc, clad, and copper alloy. Strong acids and bases.

11. Toxicological Information

Target organs: Eyes, skin, respiratory system

Routes of exposure: *Skin & Eyes: YES Inhalation: YES Skin absorption: NO Ingestion: YES*

Toxicological data:

Acute Oral LD₅₀ (rat): >2000 mg/k
Acute Dermal LD₅₀ (rabbit): Not established
Inhalation LC₅₀ (rat): May cause respiratory tract irritation.
Eye Irritation (rabbit): Substantial but temporary irritant.
Skin Irritation (rabbit): Moderate irritant (based on similar product).
Skin Sensitization (guinea pig): Not established

Carcinogenic Potential: None listed in OSHA, NTP, IARC, or ACGIH

12. Ecological Information

Environmental Classification: This product is not classified as dangerous to the environment.

13. Disposal Consideration

Do not contaminate water, food or feed by storage or disposal.

Waste from residues/unused products: Dispose of in accordance with local regulations.

14. Transportation Information

D.O.T. Shipping Description: Not D.O.T. Regulated

Other Shipping Information: Fertilizing Compounds (Manufactured), Liquid. NMFC Item 68140 Sub 6, LTL Class 70

15. Regulatory Information

OSHA: This material is NOT known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard (29CFR 1910.1200).

SARA TITLE III:

Extremely Hazardous Substance Notification (Sec. 302): Not listed

Hazard Categories (Sec. 311/312): Immediate: N Fire: N
Sudden Release Pressure: N
Delayed: N Reactive: N

Toxic Chemicals Notifications (Sec. 313): Not listed

California Proposition 65: Warning: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

CERCLA Reportable Quantity (RQ): Not listed

16. Other Information

Fertilizer Company of Arizona, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. While the information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or information set forth, or that the products, or information may be used without infringing the intellectual property rights of others. In no case shall the information provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the information furnished by our company hereunder are given gratis and we assume no obligation or liability for the information given or results obtained, all such being given and accepted at your risk.

SDS Preparation Date: 05/16/2016

Revision Date: ----

Revision Reason: ----

This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)