

**Section 1 – Product and Company Identification**

<b>Product Name</b>	NA
<b>Recommended Uses</b>	Fertilizer
<b>Manufacturer</b>	Growers Mineral Corp. PO Box. 1750 Milan, OH 44846 USA Tel: 1-800-437-4769
<b>Emergency Telephone Numbers</b>	CHEMTREC: 1-800-424-9300 (24 hours)

**Section 2 – Hazards Identification**

**Classification** Eye irritation

**Label Elements**

**Signal Word** Warning

**Pictogram**



**Hazardous Statement**

May cause irritation to eyes, breathing, and ingestion

**Precautionary Statement**

Avoid eye contact. Wash thoroughly after handling. Do not breathe vapor or spray mist. Do not eat, drink, or smoke while using material.

IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. If easy to do so, remove any contact lenses. If eye irritation persists or develops, get medical attention.

IF INHALED: Remove to fresh air. If not breathing, give artificial respiration. If difficulty breathing, give oxygen. If irritation persists or develops, get medical attention.

IF SWALLOWED: Do not induce vomiting. Drink large amounts of water (or milk, if available) to dilute the mixture. If irritation persists or develops, get medical attention.

IF ON SKIN: Immediately wash with plenty of water. Remove contaminated clothing and shoes. If irritation persists or develops, get medical attention.

IN AN EVENT OF SPILL OR LEAK: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment.

**Section 3 – Composition and Ingredients**

**Mixture** NA

**Ingredients**

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Proportion</b>
Phosphoric Acid	7664-38-2	10-30%
Potassium Hydroxide	1310-58-3	10-30%
Diammonium Phosphate	7783-28-0	10-30%
Urea	57-13-6	10-30%
Water	7732-18-5	10-30%
Gibberellic Acid	77-06-5	0-1%
Other Ingredients	Additional information is being withheld as a trade secret	

**Section 4 – First-Aid Measures**

<b>Eye</b>	Immediately flush with plenty of water for at least 15 minutes. If easy to do so, remove any contact lenses. If eye irritation persists or develops, get medical attention.
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. If difficulty breathing, give oxygen. If irritation persists or develops, get medical attention.
<b>Ingestion</b>	Do not induce vomiting. Drink large amounts of water (or milk, if available) to dilute the mixture. If irritation persists or develops, get medical attention.
<b>Skin</b>	Immediately wash with plenty of water. Remove contaminated clothing and shoes. If irritation persists or develops, get medical attention.
<b>Typical Symptoms</b>	Irritation to eyes, breathing, and ingestion.

**Section 5 – Fire-fighting Measures**

<b>Suitable Extinguishing Media</b>	Mixture is nonflammable; use agent most suitable for surrounding fire.
<b>Unsuitable Extinguishing Media</b>	No information available.
<b>Unusual Hazards</b>	Hazard can occur when mixture is exposed to extreme heat. At this time, mineral oxides are released from thermal decomposition, and hydrogen from reactions with minerals.
<b>Personal Protective Equipment and Precautions</b>	Keep personnel removed from and upwind of fire. Wear full fire-fighting turnout gear (full Bunker gear) and respiratory protection (SCBA). Cool containers containing NA with water spray to prevent rupture.

**Section 6 – Accidental Release Measures**

<b>Small Spill</b>	Wear appropriate personal protection equipment. Adequate ventilation is required. No smoking in spill area. Absorb material with an inert material (sand, vermiculite, diatomaceous earth, or other absorbent material), then place content in a chemical waste container. Container should be disposed at an appropriate waste facility according to current applicable laws, regulations, and product characteristics at time of disposal.
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<b>Large Spill</b>	Wear appropriate personal protection equipment. Adequate ventilation is required. No smoking in spill area. Contain spill with dikes, then transfer the material to appropriate containers for reclamation, or disposal. Treat remaining as <i>Small Spill</i> described above.
<b>Release Notes</b>	If spill could potentially enter any waterway, including intermittent dry creeks: <ul style="list-style-type: none"> <li>- Contact the local authorities</li> <li>- If in USA, report to US Coast Guard National Response Center (800-424-8802)</li> </ul> In case of accident, or road spill: contact CHEMTREC (800-424-9300)
<b>Comments</b>	See Section 13 for disposal information, and Section 15 for regulatory requirements. Large and small spills may have a different definition depending on the user's handling system. Therefore, the spill category must be defined at the point of release by technically qualified personnel.

## Section 7 – Handling and Storage

<b>Handling</b>	Use appropriate personal protective equipment as specified in Section 8. Avoid contact with eyes, inhalation, and ingestion. Use with adequate ventilation. Do not eat, drink, or smoke in work areas.
<b>Storage</b>	Store in closed container, in a cool, well ventilated area, and away from potential sources of heat or fire. Use with adequate ventilation. Do not eat, drink, or smoke in storage areas.

## Section 8 – Expose Control

<b>Engineering Controls</b>	Good ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
<b>Personal Protection</b>	
<b>Eyes</b>	When spraying or splashing, wear chemical resistant goggles and face shield (ANSI Z87.1 or approved equivalent).
<b>Clothing</b>	When contact is likely, wear chemical resistant gloves, a chemical resistant suit, and rubber boots.
<b>Respiratory</b>	When vapor or mist exceeds applicable concentration limits, wear NIOSH approved respiratory protective mask.

## Section 9 – Physical and Chemical Properties

<b>Appearance</b>	Clear viscous liquid
<b>Upper/Lower Flammability Limits</b>	Not applicable
<b>Upper/Lower Explosive Limits</b>	Not applicable
<b>Odor</b>	Slight ammonia odor in confined area
<b>Vapor Pressure</b>	Slightly less than water
<b>Odor Threshold</b>	Not applicable
<b>Vapor Density</b>	Slightly less than water
<b>pH at 20°C</b>	7.2 - 7.4
<b>Relative Density</b>	1.36 gm/ml
<b>Melting Point</b>	Will vaporize around 107°C
<b>Freezing Point</b>	-7°C to -3°C
<b>Solubility</b>	High solubility in H <sub>2</sub> O
<b>Initial Boiling Point</b>	102°C
<b>Flash Point</b>	Nonflammable
<b>Evaporation Rate</b>	Slightly less than water
<b>Flammability</b>	Nonflammable
<b>Partition Coefficient</b>	Not available
<b>Auto Ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Slightly higher than water

## Section 10 – Stability and Reactivity

<b>Stability</b>	Mixture is stable when following correct handling and storage conditions described in Section 7.
<b>Reactivity</b>	Copper, brass, and bronze
<b>Other</b>	
<b>Conditions to Avoid</b>	High Temperatures
<b>Incompatible Materials</b>	Copper, brass, and bronze
<b>Decomposition Products</b>	Boiling can lead to irritating gas release

## Section 11 – Toxicological Information

<b>Routes of Exposure</b>	Inhalation, ingestion, skin, and eye contact
<b>Symptoms of Exposure</b>	Delayed, immediate, or chronic effects from long or short-term exposure may include nausea, vomiting, and eye irritation
<b>Measure of Toxicity</b>	Not Applicable
<b>Carcinogenic Effects:</b>	No data available on product itself. NA is not listed in the National Toxicology Program (NTP) Report on carcinogenic, has not been found to be a potential carcinogenic in the International Agency of Research on Cancer (IARC) Monographs, nor has it been found to be a potential carcinogen by OSHA

## Section 12 – Ecological Information

<b>Mobility</b>	No data available
<b>Bioaccumulation Potential</b>	No data available
<b>Eco-toxicity Effects</b>	No data available
<b>Aquatic Toxicity</b>	Little to no known long-term adverse effects in the aquatic environment
<b>Persistence and Degradability</b>	No data available

## Section 13 – Recommended Disposal

<b>Waste from Residues/Unused Product</b>	Waste disposal must be in accordance with appropriate federal, state, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Use proper personal protection equipment when handling material (see Section 8).
<b>Contaminated Packaging</b>	Do not re-use empty containers without adequate cleaning.

## Section 14 – Transportation Information

	<b>U.S. DOT</b>	<b>TDG - Canada</b>
<b>Proper Shipping Name</b>	Growers Mineral Solutions	Growers Mineral Solutions
<b>Transport Hazard Class</b>	Non Hazardous	Non Hazardous
<b>Packing Group</b>	Not Applicable	Not Applicable
<b>UN Number</b>	Not Listed	
<b>Marine Pollutant</b>	Not Listed	
<b>Severe Marine Pollutant</b>	Not Listed	
<b>Special Precautions</b>	Not Listed	

## Section 15 – Regulatory Information

### U.S. Regulations

<b>California Proposition 65</b>	Not Listed
<b>CERCLA/SARA Section 302 Extremely Haz.</b>	Not Listed
<b>Connecticut Hazardous Air Pollutants</b>	Not Listed
<b>Florida Substance List</b>	Not Listed
<b>IARC</b>	None
<b>Illinois Toxic Air Contaminants</b>	Not Listed
<b>Massachusetts Right to Know List</b>	Not Listed
<b>New Jersey Right to Know List</b>	Not Listed
<b>NTP</b>	None
<b>Pennsylvania Right to Know List</b>	Not Listed
<b>Rhode Island Right to Know List</b>	Not Listed
<b>SARA 313 Emission Reporting/Toxic Release of Chemicals</b>	Not Listed

### International Inventories

<b>TSCA</b>	Not Listed
<b>AICS</b>	Not Listed
<b>Canada DSL Inventory</b>	Not Listed
<b>EU EINECS List</b>	Not Listed
<b>IECSC</b>	Not Listed
<b>Korea KECL</b>	Not Listed
<b>Philippines PICCS</b>	Not Listed

**313 SARA Notification** The above is your notification as to the SRA 313 listing for this product(s) pursuant to Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. If you are unsure if you are subject to the reporting requirements of Section 313, or need more information, please call the EPA Emergency Planning and Community Right-To-Know Information Hotline: (800) 424-9346 or (703) 348-5070 (in Washington, DC or Alaska).

**State Notification** The above information is your notice as to the Right-to-Know listings of the stated product(s). Individual states will list chemicals for a variety of reasons including, but not limited to, the compounds toxicity; carcinogenic, tumorigenic and/or reproductive hazards; and the compounds environmental impact if accidentally released.

#### Section 16 – Other Information

<b>NFPA Hazard Ratings</b>	<i>0 = Insignificant</i>	<i>1 = Slight</i>	<i>2 = Moderate</i>	<i>3 = High</i>	<i>4 = Extreme</i>
	Health: 1	Flammability: 0	Instability: 0	Special Hazards: 0	

**Section(s) Changed Since Last Revision** 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16

#### Disclaimer

All information contained in the Safety Data Sheets and the health, safety and environmental information are considered to be accurate to the best of our knowledge. However, no warranty or representation, expressed, or implied, is made as to the accuracy or completeness of the data and information contained in this data sheet. Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this safely and to comply with all applicable laws and regulations. Growers Mineral Corp. accepts no responsibility for any injury, loss or damage, resulting from improper or abnormal use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material.

October 2020 Revision: Updated Manufacturer Name to Growers Mineral Corp.