

# SAFETY DATA SHEET



## 1. Product and Company Identification

**Product identifier** Custom Blend 24-18-2

**Recommended use** Agricultural/ Horticultural Use

**Manufacturer** Fertizona  
**Company Address** 2850 S. Peart Road  
Casa Grande, AZ 85193

**Telephone** Main Office 1-520-836-7477

**Emergency phone number** CHEMTREC (24 hours): 1-800-424-9300

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Acute toxicity, oral Category 4

Serious eye damage/eye irritation Category 1

**Environmental hazards** Hazardous to the aquatic environment, acute hazard Category 1

Hazardous to the aquatic environment, long-term hazard

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Danger

**Hazard statement** Harmful if swallowed. Causes serious eye damage. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

### Precautionary statement

**Prevention** Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear eye/face protection.

**Response** If swallowed: Call a poison center/doctor if you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Rinse mouth. Collect spillage.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

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## 3. Composition/Information on Ingredients

Component	CAS Number
44-0-0 PCU	57-13-6
0-0-60 MOP	7447-40-7
Fe 50%	N/A
Gypsum	7778-18-9
Monoammonium Phosphate	7722-76-1
Urea	57-13-6
Sulfur	7704-34-9
Manganese Granusol	N/A
Zinc Sulfate	7733-02-0

## 4. First Aid Measures

### First aid measures:

Eye Contact	Immediately flush eyes with plenty of water. Remove any contact lenses. Get medical attention if irritation occurs.
Skin Contact	No known effect after skin contact. Rinse with water for a few minutes. Get medical attention if symptoms occur.
Inhalation	No known significant effects or critical hazards. Remove person to fresh air. And keep comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed.
	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Move containers from fire area if you can do so without risk.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Keep people away from and upwind of spill/leak. Keep out of low areas. Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.

### Methods and materials for containment and cleaning up

Stop the flow of material, if this is without risk.

Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. For waste disposal, see section 13 of the MSDS.

### Environmental precautions

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

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## 7. Handling and Storage

### Precautions for safe handling

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. See also Section 8 for additional information on hygiene measures.

### Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Absorbs moisture on long-term storage under high humidity conditions. Keep away from water or moist air. May form steep piles that can collapse without warning when stored in bulk. Avoid forming steep slopes when removing product. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Use appropriate containment to avoid environmental contamination.

## 8. Exposure Controls/Personal Protection

### Occupational exposure limits:

No exposure limits noted for ingredient(s).

### Biological limit values:

No biological exposure limits noted for the ingredient(s).

### Appropriate engineering controls:

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

### Individual protection measures, such as personal protective equipment

### Eye/Face protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: sealed eyewear or safety glasses with side shields.

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**Skin and body protection:** The personal protective equipment required varies, depending upon your risk assessment. For prolonged or repeated handling, use the following type of gloves: leather work gloves, cotton or cotton/synthetic overalls or coveralls are normally suitable.

**Respiratory Protection:** A respirator is not needed under normal and intended conditions of product use. Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. For U.S. work sites where respiratory protection is required, ensure that a respiratory protection program meeting 29 CFR 1910.134 requirements is in place

**General Hygiene Consideration:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing.

## 9. Physical and Chemical Properties

### Appearance

Physical State	Solid
Color	Mixture of: White, Red, Brown, Yellow, Grey
Odor	Odorless
Odor Threshold	Not available
pH	Not available
Melting point / Freezing Point	>100° C (>212 ° F)
Boiling Point/Boiling Range	Not available
Flash Point	Product does not sustain combustion
Evaporation Rate	<b>Not available</b>
Flammability (solid, gas)	<b>Not applicable</b>
Upper flammability Limit	Non flammable
Lower flammability Limit	Not applicable
Vapor Pressure	Not available
Vapor Density	Not available
Specific Gravity	Not available
Water Solubility	<b>Not easily soluble in cold water</b>
Partition Coefficient	Not available
Autoignition Temperature	Not available
Decomposition Temperature	Not available

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## 10. Stability and Reactivity

<b><u>Reactivity:</u></b>	No specific information is available in our database regarding the reactivity of this material in the presence of various other materials.
<b><u>Chemical Stability:</u></b>	The product is stable.
<b><u>Possibility of Hazardous Reactions:</u></b>	Under normal conditions of storage and use, hazardous Reactions will not occur.
<b><u>Conditions to Avoid:</u></b>	No specific data. Absorbs moisture in long term storage under high humidity conditions. Store in a well-ventilated, dry place. Protect from moisture.
<b><u>Incompatible Materials:</u></b>	Incompatible with halogens.
<b><u>Hazardous Decomposition Products:</u></b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological Information

### Information on likely routes of exposure

<b>Ingestion</b>	Harmful if swallowed.
<b>Inhalation</b>	No adverse effects due to inhalation are expected.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Causes serious eye damage.

<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Severe eye irritation. Permanent eye damage including blindness could result.
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<b>Acute toxicity</b>	Harmful if swallowed. Not known.
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## 12. Ecological information

<b>Ecotoxicity</b>	Toxic to aquatic life with long lasting effects.
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Components	Species	Test Results
Zinc Sulfate (CAS 7733-02-0)		
<b>Aquatic</b>		
Algae	LC50	Green algae (Chlorella vulgaris) 5 mg/l, 24 hours
Crustace	EC50	Amphipod (Crangonyx pseudogracilis) 15.1 - 24.5 mg/l, 96 hours
a Fish	LC50	Fathead minnow (Pimephales promelas) 10.62 - 11.3 mg/l, 5 days
		Fish (Lepidocephalichthys guntea) 76 - 118.8 mg/l, 24 hours

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## Persistence and degradability

## Bioaccumulative potential

## Mobility in soil

## Other adverse effects

No data is available on the degradability of this product.

Not available.

No data available.

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal Considerations

### Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## 14. Transport Information

### DOT

NOT REGULATED

### Precautions:

Make sure that persons transporting the product know what to do in the event of an accident or spillage.

## 15. Regulatory Information

U.S. EPA Label Information

### International Inventories

TSCA

**TSCA 4(a) final test rules:** Urea, reaction products with formaldehyde; imidodicarbonic diamide

**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined

DSL/NDL

EINECS/ELINCS

ENCS

IECSC

KECL

PICCS

AICS

TSCA 8(b) inventory: All components are listed or exempted.

All components are listed or exempted.

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## US Federal Regulations

### SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

CWA (Clean Water Act) Not applicable

CERCLA Not applicable

## **16. Other information, including date of preparation or last revision**

**Issue date:** 9/10/18

**Further  
information**

**Disclaimer:**

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