

# SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### FORMULATED FOR:

**Target Specialty Products**  
15415 Marquardt Ave.  
Santa Fe Springs, CA 90670  
800-352-3870

**PRODUCT NAME:** MZ23  
**CHEMICAL NAME:** Potassium Phosphite – Zinc Phosphite – Manganese Phosphite  
**CHEMICAL FAMILY:** Mixed liquid blended fertilizer

**Date of Issue:** 10/9/2022

## 2. HAZARDS IDENTIFICATION SUMMARY

**Hazard Classification:** Skin irritant, Category 2  
Eye irritant, Category 2A

**Signal Word:** “WARNING”

### Hazard Statements:

H315-Causes skin irritation  
H320-Causes eye irritation  
H335-May cause respiratory irritation  
H333-May be harmful if inhaled  
H303-May be harmful if swallowed

### Precautionary Statements:

#### (PREVENTION)

P260-Do not breathe mist/vapors/spray  
P264-Wash thoroughly after handling  
P270-Do not eat, drink or smoke when using this product  
P271-Use only outdoors in a well-ventilated area  
P273-Avoid release to the environment  
P280-Wear protective gloves / eye protection / face protection

#### (RESPONSE)

P301+P312- If swallowed, call a POISON CENTER or doctor if you feel unwell

P330-Rinse mouth

P302+P352-IF ON SKIN wash with plenty of soap and water

P305+P351+P338-IN IN EYES rinse cautiously with water for 20 minutes, remove contact lenses and continue rinsing

P337+P313-If eye irritation persists, get medical advice / attention

P362+P364-Take off contaminated clothing

### Precautionary Statements, Storage:

P403+P233-Store in a well-ventilated place. Keep container tightly closed.

P501-Dispose of container in accordance with local regulations



### 3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage of Weight:</u>	<u>CAS No.</u>
Kelp extracts, Fulvic Acid and Inerts	43.5%	Mixture
Potassium Phosphite	19.4%	13492-26-7
Zinc Phosphite	17.6%	14332-59-3
Manganese Phosphite	19.5%	7783-16-6

### 4. FIRST AID MEASURES

<b>If in eyes:</b>	Immediately rinse with water for 5 minutes
<b>If on skin:</b>	Wash skin with soap and water
<b>If swallowed:</b>	Rinse mouth with water and drink large a quantity of water
<b>If inhaled:</b>	Remove product or move person to fresh air

### 5. FIRE FIGHTING MEASURES

<b>FLASH POINT (°F/Test Method):</b>	Aqueous solution, will not burn
<b>FLAMMABLE LIMITS (LFL &amp; UFL):</b>	Not applicable
<b>EXTINGUISHING MEDIA:</b>	Use foam, CO2, dry chemical, or water
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Not applicable
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Remove container from fire area

### 6. ACCIDENTAL RELEASE MEASURES

#### STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Stop leak, contain spill and absorb with soil or natural absorbents. Sweep up waste and place in container for disposal. Wash down area. Uncontaminated spilled material may be reused.

### 7. HANDLING AND STORAGE

<b>HANDLING:</b>	Avoid eye contact and prolonged skin contact. Respiratory protection is normally not required. Sealed containers may develop pressure, open with caution. Wash hands thoroughly after handling the product.
<b>STORAGE:</b>	Store in the original labeled container in a cool place away from direct sunlight. Keep separate from food and feed products and out of reach of children and animals. Avoid storage at temperatures of 110F or higher. Corrosive to steel, aluminum, brass. Use with stainless steel or PVC fittings. Product may stain unfinished wood, painted surfaces, or concrete.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>ENGINEERING CONTROLS:</b>	Not normally required.
<b>RESPIRATORY PROTECTION:</b>	Not normally required.
<b>PERSONAL PROTECTIVE EQUIPMENT:</b>	Chemical goggles or shielded safety glasses and rubber or neoprene gloves

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Dark brown liquid	
<b>SOLUBILITY:</b>	Soluble	
<b>pH:</b>	2.5 – 3.0	<b>BULK DENSITY:</b> 10.88 pounds / gallon
<b>SPECIFIC GRAVITY (Water = 1):</b>	1.30	<b>BOILING POINT:</b> Not established
<b>VAPOR PRESSURE:</b>	Not established	<b>EVAPORATION RATE:</b> Not established
<b>PERCENT VOLATILE (by volume):</b>	Not established	
<b>Note:</b>	These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.	

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable for at least 2 years under normal conditions.

**INCOMPATIBILITY:** Strong bases.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not applicable

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute Oral LD<sub>50</sub>(rat):** not established

**Acute Dermal LD<sub>50</sub>(rabbit):** not established

**Eye Irritation (rabbit):** not established

**Skin Irritation (rabbit):** not established

**Inhalation LC<sub>50</sub>(rat):** not established

**Skin Sensitization (guinea pig):** not established

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

## 12. ECOLOGICAL INFORMATION

**Ecotoxicology:** Not established

**Biodegradation:** Oxidation and microorganisms.

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal:** Contaminated absorbents and surplus product should be disposed of in accordance with any local legislation.

**Container disposal:** Triple rinse and dispose in accordance with local legislation.

## 14. TRANSPORT INFORMATION

**DOT Shipping Description:** NOT REGULATED BY USDOT.

**U.S. Surface Freight Classification:** FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI; LIQUID (NMFC 68140, SUB 6)

## 15. REGULATORY INFORMATION

**NFPA & HMIS Hazard Ratings:**

NFPA

1 Health

0 Flammability

0 Instability

0 Least

1 Slight

2 Moderate

3 High

4 Severe

HMIS

1 Health

0 Flammability

0 Reactivity

H PPE

**SARA Hazard Notification/Reporting**

**SARA Title III Hazard Category:** Immediate Y Fire N Sudden Release of Pressure N  
Delayed N Reactive N

**Reportable Quantity (RQ) under U.S. CERCLA:** Not listed

**SARA, Title III, Section 313:** Not listed

**RCRA Waste Code:** Not listed

## 16. OTHER

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