

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

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

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): Aqueous solution, will not burn
FLAMMABLE LIMITS (LFL & UFL): Not applicable
EXTINGUISHING MEDIA: Use foam, CO₂, dry chemical, or water
HAZARDOUS COMBUSTION PRODUCTS: Not applicable
SPECIAL FIRE FIGHTING PROCEDURES: 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

HANDLING: 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.

STORAGE: 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

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

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Dark brown liquid
SOLUBILITY: Soluble
pH: 2.5 – 3.0
SPECIFIC GRAVITY (Water = 1): 1.30
VAPOR PRESSURE: Not established
PERCENT VOLATILE (by volume): Not established

BULK DENSITY: 10.88 pounds / gallon
BOILING POINT: Not established
EVAPORATION RATE: Not established

Note: 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 LD₅₀(rat): not established

Acute Dermal LD₅₀(rabbit): not established

Eye Irritation (rabbit): not established

Skin Irritation (rabbit): not established

Inhalation LC₅₀(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	HMIS
	1 Health	0 Least
	0 Flammability	1 Slight
	0 Instability	2 Moderate
		3 High
		4 Severe

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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