

Section 1. Identification
1.1 Identification

Product form Mixture
Other means of identification FertiKarb PKC 0-23-3

1.2 Use of the Substance/Mixture

Fertilizer

Recommended restrictions None Known

1.3 Manufacturer/Importer/Supplier/Distributor information

Mar Vista Resources
 745 North Avenue
 P.O. Box 218
 Corcoran, CA 93212 - USA
 T 559-992-4535

1.4 Emergency phone number

Emergency number Chemtrec - 24 hour Emergency Response (800) 262-8200

Section 2 Hazard(s) identification
2.1 Classification of the substance or mixture
GHS-US classification

Health hazards Caused serious eye Irritation Category 2 H319
 Causes skin irritation H315

2.2 GHS Label elements, including precaution statements
Hazard Pictograms (GHS-US)

Signal word

Warning

Hazard statements (GHS-US)

H319 - Causes serious eye irritation
 H315 - Causes skin irritation

Precautionary statements

P201 - Obtain special instructions before use
 P202 - Do not handle until all safety precautions have been read and understood P264 - Wash skin thoroughly after handling
 P280 - Wear eye protection, protective clothing, protective gloves P302+P352 - If on skin: Wash with plenty of the first aid section
 P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P308+P313 - If exposed or concerned: Get medical advice/attention
 P501 - Dispose of contents/container to comply with local, state and federal regulations.
 P280 - Wear eye protection, protective clothing, protective gloves P302+P352 - If on skin: Wash with plenty of water.

2.3 Other hazards which do not result in classification

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Section 3 : Composition/information on ingredients
3.1 Substances

Not Applicable

3.2 Mixtures

This product does not meet the criteria for classification

Name	CAS Number	%
Monopotassium Phosphate (CAS 7778-77-0)	7778-77-0	15 -25
Zinc Phosphate	7779-90-0	2 - 3
Calcium Phosphate	7758-87-4	5 - 10
Phosphoric Acid	7664-38-2	10 - 15

Section 4: First-Aid measures

4.1 Description of First-aid measures

First-aid measures general	IF exposed or concerned: Get medical attention/advice. Get medical attention/advice if you feel unwell.
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	Rinse eyes with water as a precaution. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	If you feel unwell, seek medical advice. Call a poison center/doctor/physician if you feel unwell.

4.2 Most important symptoms/effects, acute and delayed

Symptoms/injuries after inhalation	: May cause slight irritation.
Symptoms/injuries after skin contact	: Irritation.
Symptoms/injuries after eye contact	: Serious irritation to eyes.
Symptoms/injuries after ingestion	: May cause gastrointestinal discomfort

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically.	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
------------------------	--

Section 5: Fire-Fighting measures.

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
------------------------------	--

5.2. Specific hazards arising from the chemical

Fire hazard	None
--------------------	------

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
---------------------------------------	--

Section 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	: NO open flames, NO sparks, and NO smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Avoid contact with skin and eyes.
-----------------------------	--

6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
-----------------------------	---

6.2 Environmental Precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes.
--------------------------------------	--

Hygiene measures	: Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
-------------------------	--

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in a well-ventilated place. Keep cool. Store locked up.
---------------------------	---

Storage area	: Store in a cool, dry place.
---------------------	-------------------------------

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

None

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
---	--

Environmental exposure controls	: Avoid release to the environment.
--	-------------------------------------

8.3 Individual protection measures/Personal protective equipment

Hand protection:	Protective gloves
Eye protection:	Safety glasses
Skin and body protection:	Wear suitable protective clothing
Respiratory protection:	Wear respiratory protection

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Form	Liquid
Color	Clear Liquid
Odor	Not available.
Odor threshold	Not available.
pH	2.0 - 2.5
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Not available.
Solubility (water)	Miscible
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

9.2 Other information

Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Pounds per gallon	11.26
Specific Gravity	1.35

SECTION 10: Stability and reactivity

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials

No additional information available

10.6 Hazardous decomposition products

No additional information available

11.1 Information on toxicological effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified pH: 2.0 - 2.5
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity – single exposure	Not classified
Specific target organ toxicity – repeated exposure	Not classified
Aspiration hazard	Not classified
Viscosity, kinematic	No data available
Symptoms/injuries after inhalation	May cause slight irritation.
Symptoms/injuries after skin contact	May cause slight irritation to the skin.
Symptoms/injuries after eye contact	Causes serious eye irritation.
Symptoms/injuries after ingestion	May cause gastrointestinal discomfort.

Section 12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13. Disposal considerations

13.1 Disposal methods

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/containers in accordance with local/regional/national/international regulations.

Section 14: Transportation information

Department of Transportation (DOT)	In accordance with DOT
Transport document description	: Not Regulated
UN-No.(DOT)	: Not Applicable
Hazard labels (DOT)	: None
DOT Quality Limitations Passenger aircraft/rail (49 CFR 173.27)	: None
DOT Quantity Limitations Cargo aircraft only (49 : CFR 175.75)	: None
Other Information	: No supplementary information available

SECTION 15: Regulatory information

15.1 US Federal Regulations

All components are listed on or exempted from the U.S. EPA TSCA Inventory List. This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)	None
SARA 304 Emergency release notification	Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not regulated.
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
Hazard categories	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance	Not listed.
SARA 311/312 Hazardous Chemical	No
SARA 313 (TRI reporting)	None

15.2 Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	Not listed.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	Not regulated.
Safe Drinking Water Act (SWDA)	Not regulated.

US state regulations

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

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

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-phrases:	None
Issue date	5/18/2020
Version #	2
NFPA ratings	Health: 2 Flammability: 0 Instability: 0

NFPA ratings



Disclaimer: This information was developed from information on the constituent materials. No warranty is expressed or implied regarding the completeness or continuing accuracy of the information contained herein, and Mar Vista Resources disclaims all liability for reliance thereon. The user should satisfy himself that he has all current data relevant to his particular use.