

## SECTION 1: IDENTIFICATION

### 1.1. Product Identifier

**Product Form:** Mixture  
**Product Name:** Verde-Cal K Plus  
**Product Code:** VCKPL

### 1.2. Intended Use of the Product

Professional use.

### 1.3. Name, Address, and Telephone of the Responsible Party

AQUA-AID, Inc. dba AQUA-AID Solutions  
 5484 S Old Carriage Road  
 Rocky Mount, NC 27803  
 USA  
 T: 252-937-4107

Website: [www.aquaaid.com](http://www.aquaaid.com)

email: [info@aquaid.com](mailto:info@aquaid.com)

### 1.4. Emergency Telephone Number

**Emergency Number** : VelocityEHS  
 (800)255-3924 (North America)  
 +1 (813)248-0585 (International)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

#### GHS-US/CA Classification

Serious eye damage/eye irritation Category 2A H319  
 Specific target organ toxicity (repeated exposure) Category 2 H373

### 2.2. Label Elements

#### GHS-US/CA Labeling

**Hazard Pictograms (GHS-US/CA)** :



**Signal Word (GHS-US/CA)** : Warning  
**Hazard Statements (GHS-US/CA)** : H319 - Causes serious eye irritation.  
 H373 - May cause damage to organs (brain) through prolonged or repeated exposure (Inhalation).

**Precautionary Statements (GHS-US/CA)** : P260 - Do not breathe dust.  
 P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.  
 P280 - Wear protective gloves, protective clothing, and eye protection.  
 P302+P352 - IF ON SKIN: Wash with plenty of water.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P314 - Get medical advice/attention if you feel unwell.  
 P337+P313 - If eye irritation persists: Get medical advice/attention.  
 P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

### 2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

### 2.4. Unknown Acute Toxicity (GHS-US/CA)

No additional information available

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product Identifier	% *	GHS Ingredient Classification
Calcium sulfate dihydrate	(CAS-No.) 10101-41-4	≥ 25 - ≤ 35	Not classified.
Oxirane, methyl-, polymer with oxirane	(CAS-No.) 9003-11-6	≤ 1	Not classified.
Sulfuric acid, iron(2+) salt (1:1)	(CAS-No.) 7720-78-7	≥ 10 - ≤ 15	Acute Tox. 4 (Oral), H302
Manganese sulfate monohydrate	(CAS-No.) 10034-96-5	≥ 1 - ≤ 3	Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Chronic 2, H411 Combustible Dust

Full text of H-statements: see section 16

\*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of First-aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** Using proper respiratory protection, immediately move the exposed person to fresh air. Encourage exposed person to cough, spit out, and blow nose to remove dust. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Brush off loose particles from skin. Immediately drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

**Eye Contact:** Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

#### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**General:** May cause damage to organs (brain) through prolonged or repeated exposure (inhalation). Causes serious eye irritation.

**Inhalation:** Prolonged exposure may cause irritation.

**Skin Contact:** Skin contact with large amounts of dust may cause mechanical irritation.

**Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva.

**Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** May cause birth defects. May cause damage to organs (brain) through prolonged or repeated exposure (Inhalation).

#### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

### SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Water spray, fog, carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, or dry chemical.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

#### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

#### 5.3. Advice for Firefighter

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>). Metal oxides. Sulfur oxides.

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### 5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid all contact with skin, eyes, or clothing. Avoid breathing dust.

#### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Ventilate area.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and Materials for Containment and Cleaning Up

**For Containment:** Remove ignition sources. Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. Avoid generation of dust during clean-up of spills.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Recover the product by vacuuming, shoveling or sweeping. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

### 6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact with skin, eyes and clothing. Avoid breathing dust.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers.

### 7.3. Specific End Use(s)

Professional use.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

Calcium sulfate dihydrate (10101-41-4)		
USA ACGIH	ACGIH OEL TWA	10 mg/m <sup>3</sup> (inhalable particulate matter (Calcium sulfate))
British Columbia	OEL TWA	10 mg/m <sup>3</sup> (inhalable (Calcium sulfate))
Manitoba	OEL TWA	10 mg/m <sup>3</sup> (inhalable particulate matter (Calcium sulfate))
New Brunswick	OEL TWA	10 mg/m <sup>3</sup> (inhalable fraction (Calcium sulfate))
Newfoundland & Labrador	OEL TWA	10 mg/m <sup>3</sup> (inhalable particulate matter (Calcium sulfate))
Nova Scotia	OEL TWA	10 mg/m <sup>3</sup> (inhalable particulate matter (Calcium sulfate))
Ontario	OEL TWA	10 mg/m <sup>3</sup> (inhalable particulate matter)
Prince Edward Island	OEL TWA	10 mg/m <sup>3</sup> (inhalable particulate matter (Calcium sulfate))
Québec	VEMP (OEL TWAEV)	10 mg/m <sup>3</sup> (containing no Asbestos and <1% Crystalline silica-inhalable dust)

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### 8.2. Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Gloves. Protective clothing. Protective goggles.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear protective gloves.

**Eye and Face Protection:** Chemical safety goggles or safety glasses with side shields. Chemical safety goggles.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

**Other Information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Solid
Appearance	: Tan to grey
Odor	: Mild
Odor Threshold	: No data available
pH	: 6 – 8
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: Not applicable
Lower Flammable Limit	: No data available
Upper Flammable Limit	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: No data available
Density	: 1.153 g/cm <sup>3</sup> (72.0 lb/ft <sup>3</sup> )
Specific Gravity	: No data available
Solubility	: Water: Soluble
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

## SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials. Avoid creating or spreading dust.
- 10.5. Incompatible Materials:** Strong acids, strong bases, strong oxidizers.
- 10.6. Hazardous Decomposition Products:** Thermal decomposition may produce: Carbon oxides (CO, CO<sub>2</sub>). Metal oxides. Sulfur oxides.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxicological Effects - Product

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**Likely routes of exposure:** Dermal, Eye Contact, Inhalation, Oral.

**Acute Toxicity (Oral):** Not classified.

**Acute Toxicity (Dermal):** Not classified.

**Acute Toxicity (Inhalation):** Not classified.

### LD50 and LC50 Data:

No additional information available

**Skin Corrosion/Irritation:** Not classified.

**Eye Damage/Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitization:** Not classified.

**Germ Cell Mutagenicity:** Not classified.

**Carcinogenicity:** Not classified.

**Specific Target Organ Toxicity (Repeated Exposure):** May cause damage to organs (brain) through prolonged or repeated exposure (Inhalation).

**Reproductive Toxicity:** Not classified.

**Specific Target Organ Toxicity (Single Exposure):** Not classified.

**Aspiration Hazard:** Not classified.

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** Skin contact with large amounts of dust may cause mechanical irritation.

**Symptoms/Injuries After Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** May cause birth defects. May cause damage to organs (brain) through prolonged or repeated exposure (Inhalation).

## 11.2. Information on Toxicological Effects - Ingredient(s)

### LD50 and LC50 Data:

<b>Oxirane, methyl-, polymer with oxirane (9003-11-6)</b>	
LD50 Oral Rat	> 5000 mg/kg
LC50 Inhalation Rat	> 1.37 mg/l (no deaths at highest concentration achievable)
<b>Sulfuric acid, iron(2+) salt (1:1) (7720-78-7)</b>	
LD50 Oral Rat	319 mg/kg (Source: NLM_CIP)

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecology - General:** Not classified.

<b>Oxirane, methyl-, polymer with oxirane (9003-11-6)</b>	
LC50 Fish 1	LC50 Fish 1
EC50 - Crustacea [1]	EC50 - Crustacea [1]
EC50 Other Aquatic Organisms 1	EC50 Other Aquatic Organisms 1
ErC50 algae	ErC50 algae
<b>Sulfuric acid, iron(2+) salt (1:1) (7720-78-7)</b>	
LC50 Fish 1	925 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [static] Source: IUCLID)
EC50 - Crustacea [1]	152 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	0.56 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static] Source: EPA)
NOEC Chronic Fish	6.15 – 9.26 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

### 12.2. Persistence and Degradability

<b>Verde-Cal K Plus</b>	
Persistence and Degradability	Not established.
<b>Oxirane, methyl-, polymer with oxirane (9003-11-6)</b>	
Persistence and Degradability	Readily biodegradable.

### 12.3. Bioaccumulative Potential

<b>Verde-Cal K Plus</b>	
Bioaccumulative Potential	Not established.
<b>Oxirane, methyl-, polymer with oxirane (9003-11-6)</b>	

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<b>Bioaccumulative Potential</b>	Not expected to bioaccumulate.
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### 12.4. Mobility in Soil

No additional information available

### 12.5. Other Adverse Effects

**Other Information:** Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

**Ecology - Waste Materials:** Avoid release to the environment.

## SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

**14.1. In Accordance with DOT** Not regulated for transport

**14.2. In Accordance with IMDG** Not regulated for transport

**14.3. In Accordance with IATA** Not regulated for transport

**14.4. In Accordance with TDG** Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

### 15.1. US Federal Regulations

<b>Verde-Cal K Plus</b>	
<b>SARA Section 311/312 Hazard Classes</b>	Health hazard - Serious eye damage or eye irritation Health hazard - Specific target organ toxicity (single or repeated exposure)

### **Oxirane, methyl-, polymer with oxirane (9003-11-6)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

<b>EPA TSCA Regulatory Flag</b>	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
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### **Sulfuric acid, iron(2+) salt (1:1) (7720-78-7)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

<b>CERCLA RQ</b>	1000 lb
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### 15.2. US State Regulations

<b>Sulfuric acid, iron(2+) salt (1:1) (7720-78-7)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

### 15.3. Canadian Regulations

<b>Oxirane, methyl-, polymer with oxirane (9003-11-6)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Sulfuric acid, iron(2+) salt (1:1) (7720-78-7)</b>
Listed on the Canadian DSL (Domestic Substances List)

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Date of Preparation or Latest Revision** : 12/15/2024

**Revision**

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

### GHS Full Text Phrases:

H302	Harmful if swallowed
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H318	Causes serious eye damage
H319	Causes serious eye irritation
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects

### Glossary of Data Source Abbreviations

ATSDR: Agency for Toxic Substances and Disease Registry (U.S. Department of Health and Human Services)

AU\_WES: Australia WES

CHEMVIEW: ChemView (U.S. Environmental Protection Agency)

EC\_RAR: European Commission Renewal Assessment Report

EC\_SCOEL: European Commission Scientific Committee on Occupational Exposure Limits

ECETOC: European Centre for Ecotoxicology and Toxicology of Chemicals Reports

ECHA\_API: European Chemicals Agency API

ECHA\_RAC: ECHA Committee for Risk Assessment

EFSA: European Food Safety Authority

EPA: U.S. Environmental Protection Agency

EPA\_AEGL: Acute Exposure Guideline Levels (U.S. Environmental Protection Agency)

EPA\_FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act Reregistration Eligibility Decision (U.S. Environmental Protection Agency)

EPA\_HPVC: High Production Volume Chemicals (U.S. Environmental Protection Agency)

EPA\_TRED: Risk Assessment for Tolerance Reassessment Eligibility Decision (U.S. Environmental Protection Agency)

EU\_CLH: European Union Harmonised Classification and Labelling Proposal

EU\_RAR: European Union Risk Assessment Report

FOOD\_JOURN: Food Research Journal (1956)

IARC: The International Agency for Research on Cancer

IDLH: National Institute for Occupational Health and Safety Immediately Dangerous to Life or Health Value Profiles

IUCRID: International Uniform Chemical Information Database

JAPAN\_GHS: Japan GHS Basis for Classification Data

JP\_J-CHECK: Japan J-Check

KR\_NIER: South Korea National Institute of Environmental Research Evaluations

NICNAS: Australia National Industrial Chemicals Notification and Assessment Scheme

NIOSH: National Institute for Occupational Health and Safety (U.S. Department of Health and Human Services)

NLM\_CIP: National Library of Medicine ChemID plus database

NLM\_HSDB: National Library of Medicine Hazardous Substance Data Bank

NLM\_PUBMED: National Library of Medicine PubMed database

NTP: National Toxicology Program

NZ\_CCID: New Zealand Chemical Classification and Information Database

OECD\_EHSP: Environment, Health, and Safety Publication (Organisation for Economic Co-operation and Development)

OECD\_SIDS: Screening Information Data Sets (Organisation for Economic Co-operation and Development)

WHO: World Health Organization

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

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