

Safety Data Sheet

1. Chemical Product and Company Identification

Product Name:	Manufacturer:	Emergency Contact:
Quick Cal Solution	In-Situ, Inc. 221 East Lincoln Avenue Ft. Collins, CO 80524 Telephone: (970) 498-1500 email: support@in-situ.com www.in-situ.com	INFOTRAC Emergency Response Hotline: 1-800-535-5053 (in the US and Canada) 1-352-323-3500 www.infotrac.net

2. Hazard Identification

Emergency Overview: May cause irritation to the eyes and skin. Irritation may also occur to mucous membranes from vapors. Wash area of contact with water. Get medical attention if irritation develops.

Target Organs: Inhalation, skin and ingestion.



Eyes	May cause irritation.
Skin	May cause irritation.
Ingestion	May cause upset stomach; DO NOT INGEST!
Inhalation	May cause irritation to mucous membranes.

Signal Word: Danger

Chronic Effect / Carcinogenicity: This substance is toxic to blood, lungs and mucous membranes.

Medical Conditions Aggravated by Exposure: Could aggravate diseases of the skin.

3. Composition, Information on Ingredients

Hazardous Components Special Chemical Identity: Common Names	Cas No.	%	OSHA PEL	ACGIH TLV
Potassium Dihydrogen Phosphate (KH ₂ PO ₄)	7778-77-0	<1.0 w/v	None Listed	None Listed
Potassium Chloride (KCl)	7747-40-7	<1.0 w/v	None Listed	None Listed
Sodium Hydrogen Phosphate (Na ₂ HPO ₄)	7558-79-4	<1.0 w/v	None Listed	None Listed
Potassium Ferricyanide (K ₃ Fe(CN) ₆)	13746-66-2	<1.0 w/v	None Listed	None Listed
Potassium Ferrocyanide Trihydrate (K ₄ Fe(CN) ₆ ·3H ₂ O)	14459-95-1	<1.0 w/v	None Listed	None Listed
Deionized Water (H ₂ O)	7732-18-5	<1.0 w/v	None Listed	None Listed

4. First Aid

Eyes	Immediately flush eyes with water for at least 15 minutes. Immediately get medical assistance.
Skin	Flush with water for 15 minutes. Get medical attention if irritation develops.
Ingestion	DO NOT induce vomiting. Dilute with large amounts of water. Get medical assistance.
Inhalation	Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

5. Fire-Fighting Measures

Flash Point	Not flammable
Extinguishing Media	Water, CO ₂ , Dry Chemical, Foam Spray
Fire and Explosion Hazards	None
Fire-Fighting Instructions/Equipment	None, Not flammable
NFPA Rating	Scale (0-4); Health: 2; Flammable: 0; Reactivity: 0; Specific: None.

6. Accidental Release Measures

Dilute with water and set aside for disposal. Always obey local regulations.

7. Handling and Storage

Handling	Emergency eyewash should be available. Wash hands after handling. Avoid contact with skin and eyes.
Storage	Suitable for any general handling storage. Protect from freezing and physical damage. Store in refrigerator.

8. Exposure Controls, Personal Protection

Respiratory Protection	None
Ventilation	Mechanical (General): Use in well ventilated area. Do not allow vapors to concentrate.
Skin Protection	Chemical-resistant gloves
Eye Protection	Safety glasses or goggles

9. Physical and Chemical Properties

Appearance	Light green liquid	Odor	Odorless
pH @ 25 C	7.00	Solubility in water	Miscible
Boiling Point	100 C	Specific Gravity	1.0
Melting Point	0 C	Vapor Pressure	N/A

10. Stability and Reactivity

Chemical Stability	Stable under normal conditions of use and storage
Conditions to avoid	None
Incompatibility (materials to avoid)	None
Hazardous Decomposition Products	None
Hazardous Polymerization	Does not occur

11. Toxicological Information

LD50 oral-rat	3020 mg/kg (potassium chloride); 2970 mg/kg (potassium ferricyanide)
LC50 inhalation-rat	N/A

12. Ecological Information

Exotoxicity	None
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13. Disposal Considerations

Dilute with water and set aside for disposal. Consult Federal, State and Local regulations for proper disposal.

14. Transport Information

DOT	Not Regulated	IATA	None
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15. Regulatory Information

OSHA	These chemicals are not considered highly hazardous by OSHA.
TSCA	The components of this solution are listed on the TSCA Inventory.
SARA Title III Section 313	N/A
RCRA Status	N/A
CERCLA Reportable Quality	N/A
WHMIS	N/A

16. Additional Information

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*N/A - Not Applicable/ Not Available

Disclaimer: In-Situ reserves the right to revise this Safety Data Sheet as new information becomes available.