



SAFETY DATA SHEET

Preparation Date: June 18, 2015

Revision Date: May 8, 2017

Revision Number: 0

1. IDENTIFICATION

PRODUCT IDENTIFIER

Product Name: PARAFOS ALPHA

OTHER MEANS OF IDENTIFICATION

Chemical Name: Not Applicable

Synonyms: Not Applicable

EMERGENCY TELEPHONE NUMBER

Canutec (613) 996-6666

RECOMMENDED USE OF CHEMICAL

Chemical water softening agent

RESTRICTIONS ON USE

Not Applicable

SUPPLIER IDENTIFICATION

Keytech Water Management

33 McIntyre Drive, Kitchener, ON N2R 1E4

1-800-265-2772

2. HAZARDS IDENTIFICATION

Classification

Not Classified

Label Elements

No label elements required

Other Hazards

This product is not considered hazardous under the US OSHA 29 DFC 1910.1200 Hazard Communication Standard.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Synonyms	CAS – No	Concentration

The components of this product are not classified as hazardous.

4. FIRST AID MEASURES

General Advice: Show this safety data sheet to the doctor in attendance.

Protection of First-aiders: Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Eye Contact: Flush with water for a minimum of 15 minutes, holding eyelids open. Check for and remove contact lenses. If irritation persists, repeat flushing. Obtain medical attention immediately.

Skin Contact: Wash with plenty of soap and water. Remove contaminated clothing and shoes and wash before reuse. Obtain medical attention if irritation occurs.

Inhalation: Move victim to fresh air. Give artificial respiration ONLY if breathing has stopped. If breathing is difficult, give oxygen and obtain medical attention immediately.

Ingestion: Do not induce vomiting unless instructed to do so by medical personnel. Give 2-3 glasses of water to dilute the material if the victim is alert and not convulsing. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus. Rinse mouth and administer more water. Obtain medical attention immediately.

Notes to Physician: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Ingestion of large quantities of phosphate salts (over 1.0 grams for an adult) may cause an osmotic catharsis resulting in diarrhea and abdominal cramps. Larger doses such as 4-8 grams will almost certainly cause these effects in everyone. In healthy individuals most of the ingested salt will be excreted in the feces with the diarrhea and, thus, not cause any systemic toxicity. Doses greater than 10 grams hypothetically may cause systemic toxicity. Treatment should take into consideration both anionic and cationic portion of the molecule.



5. FIRE – FIGHTING MEASURES

Suitable Extinguishing Media: Use appropriate media for surrounding fire.

Unsuitable Extinguishing Media: N/A

Hazardous Combustion Products: Phosphorous and sodium oxides may be released.

Protective Equipment and Precautions for Firefighters: Use NIOSH approved self-contained breathing apparatus. Structural firefighters' protective clothing will only provide limited protection. **LARGE FIRES:** Dike fire-control water for later disposal. Remove storage containers from fire zone if you can do so without risk. Use water to cool containers.

Explosion Data

Sensitivity to mechanical impact: No data available

Sensitivity to static discharge: No data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Skin contact should be prevented through the use of suitable protective clothing selected for conditions of use and exposure potential.

Environmental Precautions

Do not flush to drain. Prevent entry into waterways or sewers.

Methods and material for containment and cleaning up

Methods for Cleaning up: Block potential routes to water systems. Pump into appropriate containers or absorb with an inert material such as sand. Rinse residue with water. Dispose of waste and residues in accordance with local authority requirements.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Do not swallow. Avoid breathing vapours or mists.

Conditions for Safe Storage: Store in a cool, dry, well ventilated location away from incompatible materials. Protect from freezing. Keep in original container. Keep container tightly closed.

Incompatible Materials: Avoid contact with strong bases and strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH

IDLH: Immediately Dangerous to Life or Health

Appropriate Engineering Controls

Engineering Controls: Ensure eye wash stations and safety showers (or deluge hose) are proximal to the workstation location. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Personal Protective Equipment

Eye and Face Protection: Wear chemical goggles. Use face shield if splashing is anticipated.

Skin and Body Protection: Wear appropriate gloves. Skin contact should be prevented through the use of suitable protective clothing selected for conditions of use and exposure potential.

Respiratory Protection: Wear a NIOSH approved respirator if misting may occur.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colourless
Physical State: Liquid
Odour: No data available
Odour Threshold: No data available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH:	4.7 – 5.7	
Melting / Freezing Point:	No data available	
Boiling Point / Range:	No data available	

Flash Point:	None	not flammable
Evaporation Rate:	No data available	



Flammability (solid, gas):	No data available
Flammability Limits in Air:	No data available
Upper flammability limit:	No data available
Lower flammability limit:	No data available
Vapour Pressure:	No data available
Vapour Density:	N/AP
Specific Gravity:	1.040-1.060
Water Solubility:	Complete
Solubility in other solvents:	No data available
Partition coefficient: n-octanol/water:	No data available
Autoignition temp (°C):	No data available
Decomposition Temperature:	No data available
Viscosity, Kinematic:	No data available
Viscosity, Dynamic:	No data available

Other Information

Explosive Properties:	No data available
Oxidizing Properties:	No data available
Softening Point:	No data available
Molecular Weight:	No data available
VOC Content:	No data available
Density:	No data available
Bulk Density:	No data available

10. STABILITY AND REACTIVITY

Reactivity: No dangerous reactions known under normal conditions of use.

Chemical Stability: Stable under normal conditions of use and storage.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: None identified.

Incompatible Materials: Strong bases, strong oxidizing agents.

Hazardous Decomposition Products: Oxides of phosphorus and sodium.



11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation

Information on Toxicological Effects

Eyes: May cause eye irritation.

Skin: Prolonged exposure may cause skin irritation.

Inhalation: Mist may be irritating to the respiratory tract.

Ingestion: Ingestion of large quantities may cause diarrhea, nausea, vomiting and abdominal pain.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chemical Name	ACGIH	IARC	NTP	OSHA

Carcinogenicity: This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

Eye Damage / Irritation: May cause eye irritation.

Skin Corrosion / Irritation: Prolonged exposure may cause skin irritation.

Sensitization: No data available.

Reproductive Effects: No data available.

Mutagenic Effects: No data available.

Developmental Effects: No data available.

Teratogenic Effects: No data available.

STOT – Single Exposure: No data available.



STOT – Repeated Exposure: No data available.

Chronic Toxicity: No data available.

Aspiration Hazard: No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Freshwater Algae Data	Freshwater Fish Species Data	Microtox Data	Water Flea Data

Persistence and Degradability: No data available.

Bioaccumulation / Potential: No data available.

Mobility in Soil: No data available.

Chemical Name	Log Pow =

Other Adverse Effects: No data available for this product.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Waste Disposal Method: Disposal must meet all federal, state, and local regulations.

Contaminated Packaging: Disposal must meet all federal, state, and local regulations.

14. TRANSPORT INFORMATION

UN #: Not regulated

UN Proper Shipping Name: Not regulated

Transport Hazard Class: Not regulated

Packing Group: Not regulated



Special Precautions: None specified

Marine Pollutant: No data available.

Environmental Hazards: No data available.

15. REGULATORY INFORMATION

International Inventories

U.S.A. (TSCA): Components are listed

Canada (DSL): Components are listed

Canada (NDSL): Components are not listed

EU (EINECS): Components are listed

EU (ELNICS): Components are not listed

Federal Regulations

CERCLA/SARA 313: Components are not listed

CERCLA/SARA 311/ 312 Hazardous Categorization: None

CWA (Clean Water Act): Components are not listed

CAA (Clean Air Act): Components are not listed

California Proposition 65

This product contains the following proposition 65 chemicals:

Chemical Name	CAS-No	Category	Type
None			

State Right-to-Know

This product contains the following State Right-to-Know chemicals:

Chemical Name	New Jersey	Massachusetts	Illinois	Rhode Island	Pennsylvania
None					

U.S. EPA Label Information

EPA Pesticide Registration Number: Not applicable

Canada - WHMIS Statement

Not Classified



The components of this product are not listed on the Ingredient Disclosure List.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

16. OTHER INFORMATION

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Prepared by Keytech Water Management, 1-800-265-2772

SDSs available at: sds@keytech.ca, keytechservice.com

CAS: Chemical Abstracts Service (division of the American Chemical Society)

ACGIH: American Conference of Governmental industrial Hygienists

TLV: Threshold Limit Value – the reasonable level to which a worker may be repeated exposed over a working lifetime without adverse health effects

TWA: Time Weighted Average – a TLV based on an 8 hr work day or 40 hr work week

STEL: Short Term Exposure Limit – a TLV based on a 15 minute average

Ceiling – a TLV that should not be exceeded during any part of the work experience

OSHA: Occupational Safety and Health Administration (USA)

PEL: Permissible Exposure Limit – a TLV established by OSHA for exposure of an employee to a substance / physical agent

NIOSH: National Institute for Occupation Health and Safety

IDLH: Immediately Dangerous to Life or Health

CFR: Code of Federal Regulations (USA)

LD50: Lethal Dose – the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.

LC50: Lethal Concentration – the concentration of a material in the air or water which causes the death of 50% (one half) of a group of test animals in a set period of time (usually 4 hours).

N/AP = Not Applicable

N/AV = Not Available

N/D = Not Determined

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.