



## SAFETY DATA SHEET

Preparation Date: April 28, 2017

Revision Date: May 18, 2017

Revision Number: 0

### 1. IDENTIFICATION

#### PRODUCT IDENTIFIER

**Product Name: PARAFOS DELTA**

#### EMERGENCY TELEPHONE NUMBER

Canutec (613) 996-6666

#### OTHER MEANS OF IDENTIFICATION

**Chemical Name:** Not Applicable

**Synonyms:** Not Applicable

#### 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.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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.

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.

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

**Protective Equipment and Precautions for Firefighters:** Use NIOSH approved self-contained breathing apparatus. Remove storage containers from fire zone if possible. Use water to cool containers. Control run-off water by containing and keeping it out of sewers and watercourses.



## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray). Ensure adequate ventilation.

**Protective Equipment:** Wear protective equipment/clothing as per Section 8.

**Emergency Procedures:** Restrict access to area until the spill has been cleaned up.

**Environmental Precautions:** Prevent from reaching drains, sewer or waterway. Product should not be released into environment.

**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
	N/AV	N/AV	N/AV

### 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 safety glasses with side shields or 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

<b>Appearance:</b>	Clear, colourless
<b>Physical State:</b>	Liquid
<b>Odour:</b>	No data available
<b>Odour Threshold:</b>	No data available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH:</b>	3.76 – 4.76	
<b>Melting / Freezing Point:</b>	N/D	
<b>Boiling Point / Range:</b>	N/D	
<b>Flash Point:</b>	None	not flammable
<b>Evaporation Rate:</b>	N/D	
<b>Flammability (solid, gas):</b>	N/AP	
<b>Flammability Limits in Air:</b>	N/AP	
<b>Upper flammability limit:</b>	N/AP	
<b>Lower flammability limit:</b>	N/AP	
<b>Vapour Pressure:</b>	N/D	
<b>Vapour Density:</b>	N/AP	
<b>Specific Gravity:</b>	1.265-1.285	
<b>Water Solubility:</b>	Complete	
<b>Solubility in other solvents:</b>	N/D	
<b>Partition coefficient: n-octanol/water:</b>	N/D	
<b>Autoignition temp (°C):</b>	N/D	
<b>Decomposition Temperature:</b>	N/D	
<b>Viscosity, Kinematic:</b>	N/D	
<b>Viscosity, Dynamic:</b>	N/D	

## 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
	N/AV	N/AV	N/AV

### Symptoms of Acute or Chronic Exposure and Delayed Effects

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

**Inhalation:** Mist may be irritating to the respiratory tract.

**Eye Damage / Irritation:** May cause eye irritation.

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

**Sensitization:** Not expected to cause sensitization.

**Reproductive Effects:** None identified.

**Mutagenic Effects:** None identified.

**STOT – Single Exposure:** None identified.

**STOT – Repeated Exposure:** None identified.

**Chronic Toxicity:** None identified.

**Aspiration Hazard:** None identified.

**Carcinogenicity:** Not listed as a carcinogen. Not expected to have mutagenic or reproductively toxic effects on humans.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Freshwater Fish Data	Aquatic Invertebrate Data	Freshwater Algae Data	Microorganism Data
	N/AV	N/AV	N/AV	N/AV

**Persistence and Degradability:** Not established.

**Bioaccumulation Potential:** Not established.

**Mobility in Soil:** Not established.

**Other Adverse Effects:** None identified.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of waste and residues in accordance with local authority requirements.

**Contaminated Packaging:** Dispose of empty containers as unused product. Product or containers must not be disposed with household garbage.

## 14. TRANSPORT INFORMATION

**UN #:** N/AP  
**UN Proper Shipping Name:** not regulated  
**Transport Hazard Class:** N/AP  
**Packing Group:** N/AP

**Special Precautions:** No additional precautions required.

**Environmental Hazards:** None identified.

## 15. REGULATORY INFORMATION

No additional regulatory information available.



## 16. OTHER INFORMATION

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SDSs available at: [sds@keytech.ca](mailto:sds@keytech.ca), [keytechservice.com](http://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 repeatedly 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.