



SAFETY DATA SHEET

Preparation Date: April 28, 2017

Revision Date: April 28, 2017

Revision Number: 0

1. IDENTIFICATION

PRODUCT IDENTIFIER

Product Name: PARAFOS GAMMA

OTHER MEANS OF IDENTIFICATION

Chemical Name: Not Applicable

Synonyms: Not Applicable

EMERGENCY TELEPHONE NUMBER

Canutec (613) 996-6666

RECOMMENDED USE OF CHEMICAL

Scale/deposit and corrosion control additive.

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

Skin Contact: Flush with water for at least 15 minutes. Remove contaminated clothing and shoes while flushing and wash before reuse. If irritation continues, repeat flushing. Obtain medical attention if irritation persists.

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

Ingestion: Do not induce vomiting. Give 1 to 2 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: Treat symptomatically.

5. FIRE – FIGHTING MEASURES

Suitable Extinguishing Media: Use appropriate media for surrounding fire.

Unsuitable Extinguishing Media: Not Applicable

Hazardous Combustion Products: Thermal decomposition products include but are not limited to oxides of carbon, phosphorus and sodium.



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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Wear chemical goggles. Use face shield if splashing is anticipated. Contact lenses should not be worn while handling this product. Wear chemical resistant gloves. Rubber, neoprene or PVC should be impervious under conditions for use. Skin contact should be prevented through the use of suitable protective clothing selected for conditions of use and exposure potential.

Environmental Precautions

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: Strong alkalis.

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: N/D

Odour Threshold: N/D

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	3.2 – 4.2	
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	No data available	
Specific Gravity	1.110-1.130	
Water Solubility	Complete	
Solubility in other solvents	No data available	
Partition coefficient: n-octanol/water	No data available	
Auto-ignition temp (°C)	No data available	
Decomposition Temperature	No data available	
Viscosity, Kinematic	No data available	
Viscosity, Dynamic	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: May react with acids.

Conditions to Avoid: Strong alkalis.

Incompatible Materials: Strong alkalis.

Hazardous Decomposition Products: Thermal decomposition products include but are not limited to oxides of carbon and phosphorus.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Organic acid mixture (Proprietary formula)	>5000 mg/kg (oral, rat)		

Information on Toxicological Effects

Eyes: May cause eye irritation.

Skin: Not an irritant. Not a skin sensitizer.

Inhalation: Mist may be irritating to the respiratory tract.

Ingestion: May cause stomach pain or vomiting.

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, NYP, ACGIH or OSHA as probable or suspected human carcinogens.

Eye Damage / Irritation: May cause eye irritation.



Skin Corrosion / Irritation: Not an irritant.

Sensitization: Not a skin sensitizer.

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

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 (ENCS): Components are 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 (Clear Air Act): Components are not listed

California Proposition 65

This product contains the following proposition 65 chemical:

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 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.