



SAFETY DATA SHEET

Preparation Date: May 25, 2015

Revision Date: May 25, 2015

Revision Number: 0

1. IDENTIFICATION

PRODUCT IDENTIFIER

Product Name: CHLOR-FLOW

OTHER MEANS OF IDENTIFICATION

Chemical Name: Not Applicable
Synonyms: Not Applicable

SUPPLIER IDENTIFICATION

Keytech Water Management
174-3380 Sheridan Drive Amherst, NY 14226
1-800-265-2772

EMERGENCY TELEPHONE NUMBER

Canutec (613) 996-6666

RECOMMENDED USE OF CHEMICAL

Scale control product for chlorination systems.

RESTRICTIONS ON USE

Not Applicable

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:

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.

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: 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 vapors 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, colorless

Physical State: Liquid

Odor: N/D

Odor Threshold: N/D

Property

pH
 Melting / Freezing Point
 Boiling Point / Range
 Flash Point
 Evaporation Rate
 Flammability (solid, gas)
 Flammability Limits in Air
 Upper flammability limit
 Lower flammability limit
 Vapor Pressure
 Vapor Density
 Specific Gravity

Values

3.5 – 4.5
 No data available
 No data available
 None
 No data available
 No data available
 No data available
 No data available
 No data available
 No data available
 No data available
 No data available
 1.110-1.130

Remarks • Method

not flammable



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

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

Numerical Measures of Toxicity

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: Dispose of waste and residues in accordance with local authority requirements.

Contaminated Packaging: Dispose of waste and residues in accordance with local authority requirements.



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 (Clean 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 MSDS contains all the information required by the CPR.



16. OTHER INFORMATION

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HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

HEALTH	1
FLAMMABILITY	0
PHYSICAL	0
PERSONAL PROTECTION	B

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

HEALTH 1
FIRE 0
INSTABILITY 0
SPECIAL N/A

Disclaimer

The information provided on this MSDS 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.