



# PMC WATER SYSTEMS SERVICES INC.

## 124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

TEL 905 669 8262, FAX 905 669 8252, EMAIL [pmcwater@aol.com](mailto:pmcwater@aol.com), [www.pmcwatersystems.com](http://www.pmcwatersystems.com)

### MATERIAL SAFETY DATA SHEET ULTRACLEAN C

**Protection Required**



#### SECTION 1 - MATERIAL IDENTIFICATION AND USE

**Manufacturer's Name** : PMC Water Systems Services Inc.  
**Manufacturer's Address** : 124 Connie Crescent, Unit 9, Concord, ON L4K 1L7  
**Manufacturer's Phone #** : (905) 669-8262  
**24 Emergency Phone #** : Canutec (613) 996-6666  
**Product Identifier** : UltraClean C  
**Product Use** : Chemical Cleaner

#### SECTION 2 – COMPOSITION/INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD <sub>50</sub>	LC <sub>50</sub>
Sodium Metasilicate	7-15%	6834-92-0	600 mg/kg (oral – rat)	No Data Available
Potassium Hydroxide	7-15%	1310-58-3	365 mg/kg (oral – rat)	No Data Available
Sodium Hypochlorite	7-15%	7681-52-9	3-5 mg/kg (oral – rat)	No Data Available
Tetra Potassium Pyrophosphate	10-30%	7320-34-5	2444 mg/kg (oral – rat)	No Data Available

#### SECTION 3 – HAZARDS IDENTIFICATION

**Route of Exposure** Very hazardous in case of eye contact (irritant), skin contact (irritant) and ingestion.

**Eye Contact** CORROSIVE. May cause serious eye damage. May irritate or burn the eyes.

**Skin Contact** CORROSIVE. Skin contact may produce burns. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering

**Inhalation** Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.

**Ingestion** Harmful if swallowed. Causes irritation of the digestive tract and mucous membranes with possible burns.

#### SECTION 4 – FIRST AID MEASURES

**Eye Contact** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

**Skin Contact** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

**Inhalation** Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Get medical attention immediately.

**Ingestion** Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing. Get medical attention immediately.

## SECTION 5 - FIRE FIGHTING MEASURES

<b>Flammability</b>	Not Flammable
<b>Flash Point</b>	None Known
<b>Autoignition Temperature</b>	Not Available
<b>Extinguishing Media</b>	Use DRY chemicals, CO <sub>2</sub> , alcohol foam or water spray.
<b>Special Firefighting Procedures</b>	Fire fighters should wear full protective clothing, including self-contained breathing equipment.
<b>Hazardous Combustion Products</b>	Not Available

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Clean up Procedure</b>	Small Spill: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary: Neutralize the residue with a dilute solution of acetic acid. Large Spill: Corrosive liquid. Poisonous liquid. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Use water spray to reduce vapors.
<b>Personal Precautions</b>	Wear appropriate breathing apparatus, protective clothing and equipment.
<b>Environment Precautions</b>	Prevent entry into sewers, basements or confined areas; dike if needed.

## SECTION 7 – HANDLING AND STORAGE

<b>Handling</b>	Keep container dry. Do not ingest. Do not breathe gas/fumes/vapor/spray. <u>Never add water to this product.</u> In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as acids.
<b>Storage Requirements</b>	Keep container tightly closed. Store in a cool, well-ventilated area. Do not store above 23°C (73.4°F).

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering Controls</b>	Local exhaust ventilation as necessary to maintain exposures to within applicable limits.
<b>Respiratory Protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Gloves</b>	Rubber gloves; vinyl gloves.
<b>Skin Protection</b>	Prevent all skin contact. Avoid repeated or prolonged skin contact. Wear chemical protective clothing e.g. gloves, aprons, boots.
<b>Eye/Face Protection</b>	Wear chemical safety goggles and face shield.
<b>General Hygiene</b>	An eyewash station and safety shower should be available. Immediately remove contaminated clothing to minimize exposure.

Ingredients	Exposure Limit - ACGIH	Exposure Limit - OSHA	Immediately Dangerous to Life or Health - IDLH
Sodium Metasilicate	Not Available	Not Available	Not Available
Potassium Hydroxide	2mg/m <sup>3</sup> Ceiling (TLV)	2mg/m <sup>3</sup> Ceiling	Not Available
Sodium Hypochlorite	2 mg/m <sup>3</sup> STEL	2 mg/m <sup>3</sup> PEL	Not Available
Tetra Potassium Pyrophosphate	Not Available	Not Available	Not Available

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	: Liquid
<b>Odour and Appearance</b>	: Sweet odour; amber liquid
<b>Odour Threshold</b>	: No odour
<b>Specific Gravity (Water = 1)</b>	: 1.13
<b>Vapour Pressure (mmHg)</b>	: No Data Available
<b>Vapour Density (Air = 1)</b>	: No Data Available
<b>Evaporation Rate</b>	: No Data Available
<b>Boiling Point</b>	: 95°C; 203°F
<b>Freezing/Melting Point</b>	: No Data
<b>pH</b>	: 11 - 12
<b>Solubility</b>	: Complete

## SECTION 10 – STABILITY AND REACTIVITY

<b>Stability/Reactivity</b>	Stable
<b>Conditions to Avoid</b>	Heat, high temperatures
<b>Incompatible Materials</b>	Avoid strong oxidizers. Highly reactive with acids. Slightly reactive to reactive with organic materials and metals.
<b>Hazardous Decomposition Products</b>	Oxides of carbon.
<b>Hazardous Polymerization</b>	Will not occur.

## SECTION 11 – TOXICOLOGICAL INFORMATION

<b>Skin Contact</b>	:	Causes severe skin irritation with possible burns. Harmful if absorbed through skin.
<b>Eye Contact</b>	:	Causes severe eye irritation with possible burns.
<b>Ingestion</b>	:	Harmful if swallowed. Causes irritation of the digestive tract and mucous membranes with possible burns.
<b>Inhalation</b>	:	Causes irritation and possible burns of the respiratory and mucous membranes.
<b>Chronic Exposure Effects</b>	:	The substance may be toxic to upper respiratory tract, skin. Repeated or prolonged contact with spray mist may produce chronic eye irritation, severe skin irritation and respiratory tract irritation leading to frequent attacks of bronchial infection.
<b>Irritancy</b>	:	Eye and skin irritant.
<b>Sensitization</b>	:	Not Available.
<b>Carcinogenicity</b>	:	Not Available.
<b>Teratogenicity</b>	:	Not Available.
<b>Mutagenicity</b>	:	Mutagenic for mammalian somatic cells. [Potassium hydroxide].
<b>Reproductive Effects</b>	:	Not Available.

## SECTION 12 – ECOLOGICAL INFORMATION

<b>Persistence and Degradability</b>	No information was located. Environmental fate is dependent upon pH, temperature, sunlight and other factors.
<b>Products of Biodegradation</b>	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

## SECTION 13 – DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method</b>	Dispose in accordance with federal, provincial or local government requirements. Reclaim as fertilizer if possible. Empty containers should be recycled or disposed through an approved waste management facility.
------------------------------	--

## SECTION 14 – TRANSPORT INFORMATION

<b>TDG Shipping Regulations</b>	UN 1760, Corrosive Liquid, Class 8, PG II
<b>Domestic Substances List</b>	All ingredients are listed on the DSL or are not required to be listed.

## SECTION 15 – REGULATORY INFORMATION

<b>WHMIS Classification</b>	Class E: Corrosive Material
-----------------------------	-----------------------------

## SECTION 16 – OTHER INFORMATION

Prepared by:	Lab Services PMC Water Systems Services Inc. 124 Connie Crescent, Unit 9 Concord Ontario L4K 1L7
Date Prepared :	November 14, 2016

While all the data presented is believed to be accurate at the time of preparation, PMC Water Systems Services Inc. makes no warranty; the data is offered for your consideration, investigation and verification.