



MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT AND COMPANY IDENTIFICATION

Product Name: PCS MicroQuat Disinfectant Cleaner
(DIN 02380676)
Product Code: 5956
Product Use: Disinfectant / Disinfectant Cleaner
Manufacturer/Supplier: PCS – Process Cleaning Solutions
Address: 2060 Fisher Drive
Peterborough, ON K9J 8N4
Telephone: 1-877-745-7277

HMIS Hazard Rating

HEALTH	2	0 – Insignificant
FLAMMABILITY	0	1 – Slight
REACTIVITY	0	2 – Moderate
PERSONAL PROTECTION	B	3 – High
		4 – Extreme

Emergency Phone: CANUTEC (613) 996-6666

SECTION II – INFORMATION ON HAZARDOUS INGREDIENTS

Ingredients	CAS#	WT%	ACGIH-TLV	LD ₅₀	LC ₅₀
Alkyl(C ₁₂₋₁₈)dimethylbenzylammonium chloride	68391-01-5	1-5	NA	50-500 mg/kg (Oral, Rat)	NA
Alkyl(C ₁₂₋₁₄)dimethyl(ethylbenzyl)ammonium chloride	85409-23-0	1-5	NA	50-500 mg/kg (Oral, Rat)	NA
Sodium carbonate	497-19-8	1-5	NA	4,090 mg/kg (Oral, Rat)	NA

SECTION III – HAZARDS IDENTIFICATION

Route of Entry: Eye, skin contact, inhalation, ingestion.

Effects of Acute Exposure:

Eye Contact: May cause severe irritation, reddening and swelling of tissues around eyes.

Skin Contact: May cause moderate to high irritation.

Inhalation: May cause nose, throat and respiratory tract irritation and coughing, headache.

Ingestion: May cause stomach distress, nausea or vomiting.

Effects of Chronic Exposure: See Section 11.

SECTION IV – FIRST AID MEASURES

Eye Contact: Flush eyes with large amount of water for 15 minutes while holding eyelids open. If irritation occurs or persists, seek medical attention.

Skin Contact: Wash skin with soap and water. If irritation develops, seek medical attention. Completely clean clothing, shoes and leather goods before reuse or discard.

Inhalation: Remove to fresh air immediately and take deep, slow breaths. Seek medical attention if irritation persists.

Ingestion: Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Seek medical attention if symptoms persist. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing.

SECTION V – FIRE FIGHTING MEASURES

Flammability: Not flammable.

Flash Point: (deg C, TCC): None

LEL: None

UEL: None

Auto-Ignition Temperature: None

Hazardous Combustion Products: May include ammonia, oxides of carbon and nitrogen.

Means of Extinction: Water mist (fog), dry chemical, carbon dioxide, or foam.

Special Fire Hazards: Firefighters should wear self-contained breathing apparatus.

Explosion Data – Sensitivity to Mechanical Impact: None.

Explosion Data – Sensitivity to Static Discharge: None.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive material absorbent and placed in suitable, covered, labeled containers. Remove traces by flushing with water to a chemical sewer. Prevent large spills from entering sewers or waterways. Consult emergency services and supplier for advice.

SECTION VII – HANDLING AND STORAGE

Storage Requirements: KEEP OUT OF REACH OF CHILDREN. Store in a closed container. Store in a cool, dry, well-ventilated area away from incompatible materials. DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. PESTICIDE STORAGE: Store in a dry place no lower in temperature than 10°C (50°F) or higher than 50°C (120°F).

SECTION VIII – EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves: Chemical-resistant gloves.
Eye protection: Safety glasses.
Respiratory protection: Not normally required under normal operating conditions.
Other protective equipment: As required by employer code.
Engineering Controls: General ventilation normally adequate.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor: Clear, orange; Mild.	Physical State: Liquid	
Boiling Point (°C): >100	Freezing Point (°C): NE	% Volatile (Wt%): 87
Specific Gravity (H₂O=1): 1.04	VOC (g/L): 6	pH (as supplied): 11.7
Evaporation Rate (Water=1): Similar	Viscosity: Water thin.	
Coefficient of Water/Oil Distribution: NE	Solubility in Water: Soluble	
Vapor Pressure: NA	Vapor Density: NA	Odor Threshold: NE

SECTION X – STABILITY AND REACTIVITY

Conditions for Chemical Instability: Stable.
Incompatibility Materials: Strong oxidizing agents and strong acids.
Conditions of Reactivity: NE
Hazardous Decomposition Products: Ammonia, oxides of carbon and nitrogen.

SECTION XI – TOXICOLOGICAL INFORMATION

LD₅₀ (Calculated): NE
This product may cause irritation to the eyes upon prolonged contact.
Conditions Aggravated by Exposure: None known.
Sensitization to Product: None known.
Carcinogenicity: No ingredients listed by IARC or NTP.
Teratogenicity, Mutagenicity, Reproductive Effects: None known.
Toxicologically Synergistic Products: None known.

SECTION XII – ECOLOGICAL INFORMATION

Biodegradability: Not established for this product.
Aquatic Acute Toxicity: Not established.

SECTION XIII – DISPOSAL CONSIDERATIONS

Dispose of in accordance with local state/provincial and federal regulations.

SECTION XIV - TRANSPORTATION

Special Shipping Information: Keep from freezing.
T.D.G. Classification: Not regulated under T.D.G.
D.O.T. Classification: Not regulated under D.O.T.

SECTION XV – REGULATORY INFORMATION

Occupational Health and Safety Regulations:
WHMIS Class: Product is registered under the Food and Drug Act.
US Federal Regulation: This product is a U.S. EPA registered pesticide.
OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Product Act).
Environmental Regulatory Lists:
SARA – Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 – None of these ingredients are listed.
CERCLA – Section 102 (Reportable Quantity) 40 CFR 302 – None of these ingredients are listed.
RCRA 40CFR 261 (SUBPART D) – None of these ingredients are listed.
CLEAN WATER ACT – Section 311 (Reportable Quantity) 40 CFR 116 - None of these ingredients are listed.
CLEAN AIR ACT – Section 312 (List of Hazardous Air Pollutants) 40 CFR 63 (Subpart C) – None of these ingredients are listed.
National Pollutant Release Inventory – None of the ingredients are listed.
Toxic Substances Control Act (TSCA) – All the ingredients are registered on the Chemical Substance Inventory.
Canadian Domestic Substance List (DSL) – All the ingredients are registered on the DSL.

SECTION XVI – OTHER INFORMATION

Date: November 20, 2013
Prepared by: Technical Services Group **Telephone:** (705) 740-2880

NA: Not Available NE: Not Established

Disclaimer
Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages, which may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905-572-4400), or CSST in Montreal, Quebec (514-873-3990).