

**SAFETY DATA SHEET****SECTION 1 - IDENTIFICATION**

**Product identifier used on the label:** PCS Peroxy Microclean

**Other means of Identification:** 6054

**Recommended use of the chemical and restrictions on use:** For professional use only.

**Manufacturer/Supplier:**

Process Cleaning Solutions Ltd.

**Address:**

2060 Fisher Dr.  
Peterborough, ON K9J 6X6

**Telephone:** 705-745-5849

**Fax:** 705-745-1239

**24 Hr. Emergency Tel. #:** Infotrac 1-800-535-5053 (North America), 011-1-352-323-3500 (International)

**SECTION 2 - HAZARDS IDENTIFICATION**

**Classification of the chemical:**

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

**Label elements:**

**Signal Word:** None

**Hazard statement(s)**

H402 Harmful to aquatic life

**Precautionary statement(s)**

P273 Avoid release to the environment  
P501 Dispose of contents/container in accordance with local regulation

**Hazard pictogram(s):** None

**Other hazards not otherwise classified:** No additional information available

**Unknown Acute Toxicity:** 0%

**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Chemical Name, Common Name &amp; Synonyms:</b>	<b>CAS #</b>	<b>Concentration %</b>
Hydrogen Peroxide	7722-84-1	<1.0
Lactic acid aqueous solutions: S(+)-2-hydroxy propionic acid (87.5-88.5%)	79-33-4	0.5-1.5
Sodium Chloride	7647-14-5	0.1-1
Citric acid	77-92-9	0.1-1
Sodium Hydroxide (50%)	1310-73-2	0.1-1
Acetic Acid 56% Solution	64-19-7	0.1-1
5-Chloro-2-methyl-4-isothiazolin-3-one, 2-Methyl-4-isothiazolin-3-one, Magnesium Chloride, Magnesium Nitrate, water	26172-55-4, 2682-20-4, 7786-30-3, 10377-60-3, 7732-185-5, 1934-24-0/3844- 45-9/7757-82-6	<0.1
Dye	1934-24-0/3844- 45-9/7757-82-6	<0.1

## SECTION 4 - FIRST-AID MEASURES

### Description of first aid measures:

**If swallowed:** Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

**If on skin (or hair):** Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before reuse.

**If inhaled:** Remove the person to fresh air and keep comfortable for breathing. If respiratory issues develop, call a doctor/physician.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical advice/attention.

**Most Important symptoms and effects, both acute and delayed:** May Cause eye irritation

**Indication of any immediate medical attention and special treatment needed:** No data available

## SECTION 5 - FIRE-FIGHTING MEASURES

### Extinguishing media:

**Suitable extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media:** Not determined

**Special hazards arising from the substance or mixture:** None known

**Flammability classification:** Not flammable

**Hazardous combustion products:** No information available

### Special protective equipment and precautions for firefighters:

**Protective equipment for fire-fighters:** Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

**Special fire-fighting procedures:** Move containers from the fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses. Dike for water control.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from, and upwind of spill/leak. Restrict access to the area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

**Methods and material for containment and cleaning up:** Do not allow material to contaminate groundwater systems. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply. Ventilate the area. Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material. Do not use combustible absorbents, such as sawdust. Pick up and transfer to properly labeled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities.

**Special spill response procedures:** In case of a transportation accident, contact Infotrac 1-800-535-5053 (North America), 011-1-352-323-3500 (International).

## SECTION 7 - HANDLING AND STORAGE

**Precautions for safe handling:** Handle in accordance with good industrial hygiene and safety practice. Use protective equipment recommended in section 8. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling.

**Conditions for safe storage:** Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Keep out of reach of children.

**Incompatible materials:** No information available

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure controls:

**Respiratory protection:** Respiratory protection should be worn when there is a potential of inadequate ventilation. If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134). Advice should be sought from respiratory protection specialists.

**Skin protection:** Wear protective gloves. Where extensive exposure to product is possible, use resistant coveralls, aprons and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective regimes.

**Eye face protection:** Protective eyewear is recommended. Wear as appropriate tightly fitting safety goggles; Safety glasses with side-shields.

**General hygiene considerations:** Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear Light Green Liquid

**Odor:** None

**Odor threshold:** No applicable information available

**pH:** 2.0-3.0

**Melting/Freezing point:** No applicable information available

**Initial boiling point and boiling range:** No applicable information available

**Flash point:** No applicable information available

**Flashpoint (Method):** No applicable information available

**Evaporation rate (BuAe = 1):** No applicable information available

**Flammability (solid, gas):** Not flammable

**Lower flammable limit (% by vol.):** Not Flammable

**Upper flammable limit (% by vol.):** Not Flammable

**Vapor pressure:** No applicable information available

**Vapor density:** No applicable information available

**Relative density:** ~1.00

**Solubility in water:** Soluble

**Other solubility(ies):** No applicable information available

**Partition coefficient:** No applicable information available

**Auto ignition temperature:** No applicable information available

**Decomposition temperature:** No applicable information available

**Viscosity:** No applicable information available

**Volatile organic Compounds (%VOC's):** No applicable information available

**Other physical/chemical comments:** No applicable information available

## **SECTION 10 - STABILITY AND REACTIVITY**

**Reactivity:** Not normally reactive

**Chemical stability:** Stable

**Possibility of hazardous reactions:** No hazardous polymerization

**Conditions to avoid:** Keep out of reach of children. Do not use it in areas without adequate ventilation. Avoid contact with incompatible materials.

**Incompatible materials:** No applicable information available

**Hazardous decomposition products:** None known. Refer to 'Hazardous Combustion Products' in Section 5

## **SECTION 11 - TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure:**

**Routes of entry - inhalation:** Avoid breathing vapors or mists

**Routes of entry - skin & eye:** Avoid contact with skin or eyes

**Routes of entry - Ingestion:** Do not taste or swallow

**Potential Health Effects:**

**Signs and symptoms of short term (acute) exposure:**

*Symptoms:* Please see section 4 of this SDS sheet for symptoms.

**Potential Chronic Health Effects:**

**Mutagenicity:** Not expected to be mutagenic in humans.

**Carcinogenicity:** No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

**Reproductive effects:** No applicable information available

**Sensitization to material:** No applicable information available

**Specific target organ effects:** No data available to indicate product or components will have specific target organ effects.

**Medical conditions aggravated by overexposure:** Pre-existing skin or eye disorders.

**Toxicological data:**

See the following table for individual ingredient acute toxicity data.

Chemical name	CAS #	LD <sub>50</sub>	LD <sub>50</sub>	LC <sub>50</sub>
		(Oral, rat)	(Dermal. Rabbit)	(4hr, Inhal., rat)
Hydrogen Peroxide	7722-84-1	376mg/kg	4076mg/kg	2 mg/L
Lactic acid aqueous solutions: S(+)-2-hydroxy propionic acid (87.5-88.5%)	79-33-4	3543mg/kg	>2000 mg/kg	
Sodium Chloride	7647-14-5	3550mg/kg	10001mg/kg	42001mg/L
Citric acid	77-92-9	5040mg/kg		
Sodium Hydroxide (50%)	1310-73-2	140-340mg/kg	1350mg/kg	
Acetic Acid 56% Solution	64-19-7	3310mg/kg	1060mg/kg	11.4mg/L
5-Chloro-2-methyl-4-isothiazoli n-3-one, 2-Methyl-4-isothiazolin-3-one, Magnesium Chloride, Magnesium Nitrate, water	26172-55-4, 2682-20-4, 7786-30-3, 10377-60-3, 7732-185-5, 1934-24-0/3844- 45-9/7757-82-6	3350mg/kg	5001mg/kg	0.33mg/L
Dye	1934-24-0/3844- 45-9/7757-82-6			

\*All empty cells no applicable information available

Other important toxicological hazards: None reported.

**SECTION 12 - ECOLOGICAL INFORMATION**

**Ecotoxicity:** No applicable information available.

**Persistence and degradability:** No applicable information available

**Bioaccumulation potential:** No applicable information available.

**Mobility in soil:** No applicable information available.

**Other Adverse Environmental effects:** No applicable information available.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Handling for disposal:** Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8. Empty containers retain residue (liquid and/or vapor) and can be dangerous.

**Methods of disposal:** Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

**RCRA:** If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste UN defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

## SECTION 14 - TRANSPORTATION INFORMATION

**US 49 CFR/DOT information:**

**UN No.:** Not Regulated

**UN Proper Shipping Name:** Not Regulated

**Transport Hazard Class(es):** Not Regulated

**Packing Group:** Not Regulated

**Special Transportation Notes:** None

## SECTION 15 - REGULATORY INFORMATION

**TSCA information:** All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

**Canadian Environmental Protection Act (CEPA) information:** All ingredients listed appear on the Domestic Substances List (DSL).

## SECTION 16 - OTHER INFORMATION

**Legend:**

**ACGIH:** American Conference of Governmental Industrial Hygienists

**CAS:** Chemical Abstract Services

**CFR:** Code of Federal Regulations

**DOT:** Department of Transportation

**EPA:** Environmental Protection Agency

**IARC:** International Agency for Research on Cancer

**LC:** Lethal Concentration

**LD:** Lethal Dose

**NIOSH:** National Institute of Occupational Safety and Health

**NTP:** National Toxicology Program

**OSHA:** Occupational Safety and Health Administration

**PEL:** Permissible exposure limit  
**RCRA:** Resource Conservation and Recovery Act  
**SDS:** Safety Data Sheet  
**STEL:** Short Term Exposure Limit

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#### **DISCLAIMER**

Information for this 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 this supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of GHS. No warranty, expressed or implied, is made and the 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 within this form.

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