

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product identifier used on the label: PCS 6% Hydrogen Peroxide Solution

Other means of Identification: 6053

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: 705-740-2880

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:

Eye irritation 2A

Label elements:

Signal Word: Warning

Hazard statement(s)

H319 Causes serious eye irritation

Precautionary statement(s)

P264	Wash face, hands thoroughly after handling
P280	Wear eye protection, protective gloves
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention

Hazard pictogram(s)



Other hazards not otherwise classified: No additional information available

Unknown Acute Toxicity: No data available

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name, Common Name & Synonyms:	CAS #	Concentration %
Hydrogen peroxide	7722-84-1	2.2-6.9

*If no information is given this product contains no substances that at their given concentrations are considered to be hazardous to health.

** If the chemical name/CAS # is "proprietary" and/or the weight % is shown as a range, this information had been withheld as a trade secret.

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 breathing problems develop call a doctor

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

Most Important symptoms and effects, both acute and delayed: Causes eye irritation

Indication of any immediate medical attention and special treatment needed: Treat symptomatically

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: None

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 spilt/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: 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). If a spill/release in the US is more than the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).

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 or eyes. Wash face, hands, and any exposed skin thoroughly after handling.

Conditions for safe storage: Keep container tightly closed and store in temperature 0-49°C, dry and well-ventilated place. Store locked up. Keep out of reach of children.

Incompatible materials: Strong bases. Strong acids. Reducing agents. Sources of ignition.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure controls:

Exposure Limits:					
		ACGIH		OSHA	
Chemical Name	CAS #	TWA	STEL	PEL	STEL
Hydrogen Peroxide	7722-84-1	1 ppm		1 ppm	

Exposure Guidelines This product does not contain any ingredients with occupational exposure limits that are at concentrations below their cut-off values/concentrations and that contribute to the hazard classification of the product

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses.
Skin and Body Protection Wear suitable protective clothing.
Respiratory Protection In case of inadequate ventilation wear respiratory protection.
Hygiene Measures Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink, or smoke during use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear Colorless liquid

Odor: None

Odor threshold: No applicable information available

pH: 4.5-6.5

Melting/Freezing point: 0°C/ No applicable information available

Initial boiling point and boiling range: 100 °C (212°F)

Flash point: No applicable information available

Flashpoint (Method): No applicable information available

Evaporation rate (BuAe = 1): No information available

Flammability (solid, gas): Not flammable

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

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

Vapor pressure: No information available

Vapor density: No applicable information available

Relative density: 1-1.02

Solubility in water: Miscible

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

Other physical/chemical comments: No applicable information available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions

Chemical stability: Stable under normal conditions

Possibility of hazardous reactions: No hazardous polymerization

Conditions to avoid: High temperature. Direct sunlight. Incompatible materials.

Incompatible materials: Alkalis. Metals. Reducing agents.

Hazardous decomposition products: Oxygen.

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 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: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive effects: This product is not expected to cause reproductive or developmental effects.

Sensitization to material: This product is not expected to cause skin sensitization.

Specific target organ effects: No applicable information available.

Aspiration hazard: Not an aspiration hazard

Chronic effects: This product is not expected to cause chronic effects.

Toxicological data:

See the following table for individual ingredient acute toxicity data.

Chemical name	CAS #	LD ₅₀	LD ₅₀	LC ₅₀
		(Oral, rat)	(Dermal Rat)	(4hr, Inhal., rat)
Hydrogen peroxide	7722-84-1	376 mg/kg	4076 g/kg	2 mg/L

* Estimates for the product may be based on additional component data not shown.

Other important toxicological hazards: None reported.

SECTION 12 - ECOLOGICAL INFORMATION**Ecotoxicity:**

Hydrogen Peroxide (7722-84-1)	
LC50 fish	26.7 mg/l 96 h – Bluegill (<i>Lepomis macrochirus</i>)
LC50 other aquatic organisms	155 mg/l 24 h – Chameleon goby (<i>Tridentiger trigonocephalus</i>)
ES50 Daphnia	24 mg/l 48 h - Daphnia

Persistence and degradability: Biodegradable

Bioaccumulation potential: No bioaccumulation.

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.

SECTION 14 - TRANSPORTATION INFORMATION

Special Shipping Information: No applicable information is available.

T.D.G. Classification: Not regulated under T.D.G.

D.O.T. Classification: Not regulated under D.O.T.

SECTION 15 - REGULATORY INFORMATION

Occupational Health and Safety Regulations:

SARA Section 311/312 Hazard Classes: Immediate (acute) health hazard.

WHMIS CLASSIFICATION: Class D Division 2 Subdivision B - Toxic material causing other toxic effects.

SECTION 16 - OTHER INFORMATION

Legend:

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstract Services

DOT: Department of Transportation

IARC: International Agency for Research on Cancer

LC: Lethal Concentration

LD: Lethal Dose

NTP: National Toxicology Program

SARA: Superfund Amendments and Reauthorization Act

SDS: Safety Data Sheet

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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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