

## SAFETY DATA SHEET

### SECTION 1 - IDENTIFICATION

**Product identifier used on the label:** PCS Sodium Hypochlorite Disinfectant/Disinfectant Cleaner

**Other means of Identification:** 5900, 5901, 5902 DIN: 02313278

**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 8N4

**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 Damage/Irritation 2A

**Label elements:**

**Signal Word:**

Warning

**Hazard statement(s)**

H319 Causes serious eye irritation

**Precautionary statement(s)**

P264 Wash exposed areas thoroughly after handling  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
P337+313 If eye irritation persists get medical advice/attention  
P501 Dispose of contents/container in accordance with local regulation

## Hazard pictogram(s)



Other hazards not otherwise classified: None Known

Unknown Acute Toxicity: 0 %

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name, Common Name & Synonyms:	CAS #	Concentration %
Sodium Hypochlorite	7681-52-9	1-5

\*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 person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell

**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 severe 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:** Not determined

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

**Flammability classification:** Not flammable

**Hazardous combustion products:** Carbon oxides

## 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 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 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 ground water system. 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:** If a spill/release in the US in excess of 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, 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. Keep out of reach of children.

**Incompatible materials:** Acids, Ammonia. Do not mix with other chemicals or cleaners

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure controls:

#### Control parameters

**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

#### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

#### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** No special protective equipment required.  
**Skin and Body Protection** No special protective equipment required.  
**Respiratory Protection** No protective equipment is needed under normal use conditions. If irritation is experienced, ventilation and evacuation may be required  
**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practices.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear, Straw Colored Liquid

**Odor:** Bleach

**Odor threshold:** No applicable information available

**pH:** 12-12.75

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

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

**Flash point:** None to boiling

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

**Evaporation rate (BuAe = 1):** Similar to water

**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:** ~1.0

**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:** Similar to water

**Volatile organic Compounds (%VOC's):** None

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

## SECTION 10 - STABILITY AND REACTIVITY

### Reactivity

Reacts with ammonia or acids such as vinegar, rust removers, or toilet bowl cleaners to produce hazardous gases, such as chlorine and other chlorinated compounds.

### Chemical stability

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing conditions.

**Conditions to avoid**

None known based on information supplied.

**Incompatible materials**

Ammonia or acids such as vinegar, rust removers, or toilet bowl cleaners.

**Hazardous decomposition products**

None known based on information supplied.

**SECTION 11 - TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information****Inhalation** Exposure to vapor or mist may irritate respiratory tract.**Eye Contact** May cause irritation.**Skin Contact** May cause slight irritation.**Ingestion** Ingestion may cause slight irritation to mucous membranes and gastrointestinal tract.**Component Information**

Chemical name	CAS #	LD <sub>50</sub>	LD <sub>50</sub>	LC <sub>50</sub>
		(Oral, rat)	(Dermal. Rabbit)	(4hr, Inhal., rat)
Sodium Hypochlorite	7681-52-9	8200	>10000	

**Information on toxicological effect****Symptoms** Liquid may cause redness and tearing of eyes.**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Sensitization to material:** No information available**Mutagenicity:** No information available**Carcinogenicity:** The below table indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Sodium Hypochlorite 7681-52-9	-	Group 3	-	-

**IARC (International Agency for Research on Cancer)**

Group 3 – Not Classifiable as to Carcinogenicity in Humans

**Reproductive Toxicity** No information available**STOT – single exposure** No information available**STOT – repeated exposure** No information available  
**Chronic Toxicity** No known effect based on information supplied.

**Target Organ Effects** Respiratory system, eyes, skin, gastrointestinal tract (GI)

**Aspiration Hazard** No information available

**Numerical measures of toxicity – Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

No information available

**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**

**Disposal methods**

Dispose of in accordance with all applicable federal, state, and local regulations.

**Contaminated Packaging**

Do not reuse empty containers. Dispose of in accordance with all applicable federal, state, and local regulations.

**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**

**Chemical Inventories**

**TSCA** All components of his product are either on the TSCA 8(b) Inventory or otherwise exempt from listing

**DSL/NDSL** All components are on the DSL or NDSL.

**TSCA** – United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** – Canadian Domestic Substance List/Non-Domestic Substance List

## U.S. Federal Regulations

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

### SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactivity Hazard	No

### CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA – Reportable Quantities	CWA – Toxic Pollutants	CWA – Priority Pollutants	CWA – Hazardous Substances
Sodium Hypochlorite 7681-52-9	100 lb			X
Sodium Hydroxide 1310-73-2	1000 lb			X

### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQ's	Extremely Hazardous Substances RQs	RQ
Sodium Hypochlorite 7681-52-9	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ
Sodium Hydroxide 1310-73-2	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ

### EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**Caution:** Causes moderate eye irritation. Avoid contact with eyes clothing. Wash thoroughly with soap and water after handling.

## US State Regulations

### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Sodium Hypochlorite 7681-52-9	X	X	X	X	

Sodium Hydroxide 1310-73-2	X	X	X	X	
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## International Regulations

### Canada

#### WHMIS Hazard Class

Non-controlled

## SECTION 16 - OTHER INFORMATION

**NFPA**    Health Hazard 1    Flammability 0    Instability 0    Physical and Chemical Hazards –

**HMS**    Health Hazard 1    Flammability 0    Physical Hazard 0    Personal Protection -

#### Legend:

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

**CAS:** Chemical Abstract Services

**CERCLA:** Comprehensive Environmental Response, Compensation, and Liability Act of 1980

**CFR:** Code of Federal Regulations

**CSA:** Canadian Standards Association

**DOT:** Department of Transportation

**ECOTOX:** U.S. EPA Ecotoxicology Database

**EINECS:** European Inventory of Existing Commercial chemical Substances

**EPA:** Environmental Protection Agency

**HSDB:** Hazardous Substances Data Bank

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

**IUCLID:** International Uniform Chemical Information Database

**LC:** Lethal Concentration

**LD:** Lethal Dose

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

**NTP:** National Toxicology Program

**OECD:** Organization for Economic Co operation and Development

**OSHA:** Occupational Safety and Health Administration

**PEL:** Permissible exposure limit

**RCRA:** Resource Conservation and Recovery Act

**RECS:** Registry of Toxic Effects of Chemical Substances

**SARA:** Superfund Amendments and Reauthorization Act

**SDS:** Safety Data Sheet Material Safety Data Sheet

**STEL:** Short Term Exposure Limit

**TOG:** Canadian Transportation of Dangerous Goods Act & Regulations

**TLV:** Threshold Limit Values

**TWA:** Time Weighted Average

**WHMIS:** Workplace Hazardous Materials Identification System

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### 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 this supplier, it is assumed that users of this material have been fully trained accordingly to the mandatory requirements of GHS. 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 within this form.

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