

1. Identification

| | | | |
|---|--|----------------|--|
| Product identifier | PCS 1000 Plus Oxidizing Disinfectant Cleaner | | |
| Other means of identification | 5951 +, 5989 +, 5907 +, 5963 +, 5986 +, 6063 + | | |
| Recommended use | Ready to Use Disinfectant Cleaner | | |
| Recommended restrictions | Product is not to be used in electrostatic or fogging equipment. | | |
| Manufacturer/Importer/Supplier/Distributor information | | | |
| Manufacturer | | | |
| Company name | Process Cleaning Solutions | | |
| Address | 2060 Fisher Drive Peterborough, ON K9J 8N4 Canada | | |
| Telephone | 705-740-2880 | | |
| Website | www.processcleaningsolutions.com | | |
| E-mail | service@processcleaningsolutions.com | | |
| Emergency phone number | Infotrac: | 1-800-535-5053 | |
| Supplier | See above. | | |

2. Hazard identification

| | |
|--|--|
| Physical hazards | Not classified. |
| Health hazards | Not classified. |
| Environmental hazards | Not classified. |
| WHMIS 2015 defined hazards | Not classified |
| Label elements | |
| Hazard symbol | None. |
| Signal word | None. |
| Hazard statement | The mixture does not meet the criteria for classification. |
| Precautionary statement | |
| Prevention | Observe good industrial hygiene practices. |
| Response | Wash hands after handling. |
| Storage | Store away from incompatible materials. |
| Disposal | Dispose of waste and residues in accordance with local authority requirements. |
| WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC) | None known |
| WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC) | None known |
| Hazard(s) not otherwise classified (HNOC) | None known. |
| Supplemental information | Exempt - Registered product - (DIN 02521431). |

This product is not subject to the Hazardous Products Act (HPA) Part II (Hazardous Products) as per paragraph 12(j); Schedule 1 (Non-Application of Part II). This restriction states that Part II does not apply in respect of the sale or importation of anything listed in Schedule 1 which includes any pest control product as defined in subsection 2(1) of the Pest Control Products Act, any explosive as defined in section 2 of the Explosives Act, any cosmetic, device, drug or food, as defined in section 2 of the Food and Drugs Act, any consumer product as defined in section 2 of the Canada Consumer Product Safety Act and any wood or product made of wood.

3. Composition/Information on ingredients

Mixture

| Chemical name | Common name and synonyms | CAS number | % |
|---------------------|--------------------------|------------|------|
| Sodium hypochlorite | | 7681-52-9 | 0.13 |

| Chemical name | Common name and synonyms | CAS number | % |
|-------------------|--------------------------|------------|------|
| Hypochlorous acid | | 7790-92-3 | 0.01 |

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments Active ingredient(s) are listed above.

4. First-aid measures

| | |
|---|---|
| Inhalation | IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. |
| Skin contact | IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice. |
| Eye contact | IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then, continue rinsing eye. Call a poison control center or doctor for treatment advice. |
| Ingestion | IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. |
| Most important symptoms/effects, acute and delayed | Minimal effects to eyes - clearing in less than 24 hours according to test data, OPPTS 870.2400 (1998) |
| Indication of immediate medical attention and special treatment needed | Treat patient symptomatically. |
| General information | If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children. |

5. Fire-fighting measures

| | |
|--|---|
| Suitable extinguishing media | Treat for surrounding material. |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |
| Specific hazards arising from the chemical | During fire, gases hazardous to health may be formed. |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Fire-fighting equipment/instructions | Move containers from fire area if you can do so without risk. |
| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials. |
| General fire hazards | No unusual fire or explosion hazards noted. |
| Hazardous combustion products | May include and are not limited to: Oxides of carbon. |

6. Accidental release measures

| | |
|--|---|
| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. For personal protection, see section 8 of the SDS. |
| Methods and materials for containment and cleaning up | Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe with absorbent material and discard. Clean surface thoroughly to remove residual contamination. |
| Environmental precautions | Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters. |

7. Handling and storage

| | |
|---|---|
| Precautions for safe handling | Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Observe good industrial hygiene practices. When using do not eat or drink. Keep out of reach of children. |
| Conditions for safe storage, including any incompatibilities | Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Store this product in a cool, dry area away from direct sunlight and heat. Degrades with age and exposure to sunlight and heat. Keep out of reach of children. |

8. Exposure controls/Personal protection

Occupational exposure limits

US. Workplace Environmental Exposure Level (WEEL) Guides

| Components | Type | Value |
|-------------------------------------|------|---------------------|
| Sodium hypochlorite (CAS 7681-52-9) | STEL | 2 mg/m ³ |

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Impervious gloves. Confirm with reputable supplier first.

Other

Wear suitable protective clothing. As required by employer code.

Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

Thermal hazards

Not applicable.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. When using do not eat or drink.

9. Physical and chemical properties

| | |
|--|------------------|
| Appearance | Clear |
| Physical state | Liquid. |
| Form | Liquid. |
| Color | Straw |
| Odor | Bleach |
| Odor threshold | Not available. |
| pH | 8.5 - 9.5 |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not available. |
| Pour point | Not available. |
| Specific gravity | Not available. |
| Partition coefficient (n-octanol/water) | Not available. |
| Flash point | None to boiling |
| Evaporation rate | Similar to water |
| Flammability (solid, gas) | Not applicable. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Relative density | ~1 |
| Solubility(ies) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |

Viscosity Not available.

Other information

Explosive properties Not explosive.

Oxidizing properties Not oxidizing.

10. Stability and reactivity

Reactivity This product may react with strong oxidizing agents. Reacts vigorously with acids.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Chemical stability Material is stable under normal conditions.

Conditions to avoid Do not mix with other chemicals. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not use with ammonia or acids such as vinegar, rust removers, toilet bowl cleaners, etc.

Incompatible materials Strong oxidizing agents. Acids.

Hazardous decomposition products May include and are not limited to: Oxides of carbon.

11. Toxicological information

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.

Information on likely routes of exposure

Ingestion May cause stomach distress, nausea or vomiting.

Inhalation No adverse effects due to inhalation are expected.

Skin contact No adverse effects due to skin contact are expected.

Eye contact Minimal effects to eyes - clearing in less than 24 hours according to test data, OPPTS 870.2400 (1998)

Symptoms related to the physical, chemical and toxicological characteristics Minimal effects to eyes - clearing in less than 24 hours according to test data, OPPTS 870.2400 (1998)

Information on toxicological effects

Acute toxicity

| Components | Species | Test Results |
|------------|---------|--------------|
|------------|---------|--------------|

Hypochlorous acid (CAS 7790-92-3)

Acute

Dermal

LD50 Not available

Inhalation

LC50 Not available

Oral

LD50 Not available

Sodium hypochlorite (CAS 7681-52-9)

Acute

Dermal

LD50 Rabbit > 20000 mg/kg, ECHA

Inhalation

LC50 Rat > 10.5 mg/L, 1 Hours, ECHA

Oral

LD50 Rat 8910 mg/kg, ECHA

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Exposure minutes Not available.

Erythema value Not available.

Oedema value Not available.

Serious eye damage/eye irritation Minimal effects to eyes - clearing in less than 24 hours according to test data, OPPTS 870.2400 (1998)

Corneal opacity value Not available.

Iris lesion value Not available.

Conjunctival reddening value Not available.

Conjunctival oedema value Not available.

Recover days Not available.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

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

Carcinogenicity See below.

IARC Monographs. Overall Evaluation of Carcinogenicity

Sodium hypochlorite (CAS 7681-52-9)

Volume 52 - 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not listed.

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

Teratogenicity Not available.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

12. Ecological information

Ecotoxicity See below

Ecotoxicological data

Components

Sodium hypochlorite (CAS 7681-52-9)

| | Species | Test Results |
|-----------|--------------|--------------------|
| Crustacea | EC50 Daphnia | 2.1 mg/L, 48 Hours |

Aquatic

| | | |
|------|--|------------------------------|
| Fish | LC50 Chinook salmon (Oncorhynchus tshawytscha) | 0.038 - 0.065 mg/L, 96 hours |
|------|--|------------------------------|

Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential

Mobility in soil No data available.

Mobility in general Not available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Rinse the emptied container thoroughly prior to disposal. Dispose of the empty container in accordance with municipal/provincial/territorial requirements. Offer for recycling, if available.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

Transport of Dangerous Goods (TDG) Proof of Classification Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

15. Regulatory information

| | |
|---|---|
| Canadian federal regulations | <p>This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.</p> <p>This product is not subject to the Hazardous Products Act (HPA) Part II (Hazardous Products) as per paragraph 12(j); Schedule 1 (Non-Application of Part II). This restriction states that Part II does not apply in respect of the sale or importation of anything listed in Schedule 1 which includes any pest control product as defined in subsection 2(1) of the Pest Control Products Act, any explosive as defined in section 2 of the Explosives Act, any cosmetic, device, drug or food, as defined in section 2 of the Food and Drugs Act, any consumer product as defined in section 2 of the Canada Consumer Product Safety Act and any wood or product made of wood.</p> <p>Exempt - Registered product - (DIN 02521431).</p> |
| Export Control List (CEPA 1999, Schedule 3) | Not listed. |
| Greenhouse Gases | Not listed. |
| Precursor Control Regulations | Not regulated. |
| WHMIS 2015 Exemptions | Not applicable |
| US federal regulations | |
| TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) | Not regulated. |
| CERCLA Hazardous Substance List (40 CFR 302.4) | Sodium hypochlorite (CAS 7681-52-9) Listed. |
| SARA 304 Emergency release notification | Not regulated. |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) | Not listed. |
| Superfund Amendments and Reauthorization Act of 1986 (SARA) | |
| SARA 302 Extremely hazardous substance | No |
| SARA 311/312 Hazardous chemical | No |
| SARA 313 (TRI reporting) | Not regulated. |
| Other federal regulations | |
| Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List | Not regulated. |
| Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) | Not regulated. |
| US state regulations | See below |
| US - California Hazardous Substances (Director's): Listed substance | Sodium hypochlorite (CAS 7681-52-9) Listed. |
| US - Illinois Chemical Safety Act: Listed substance | Sodium hypochlorite (CAS 7681-52-9) |
| US - Louisiana Spill Reporting: Listed substance | Sodium hypochlorite (CAS 7681-52-9) Listed. |
| US - Minnesota Haz Subs: Listed substance | Sodium hypochlorite (CAS 7681-52-9) Listed. |
| US - Texas Effects Screening Levels: Listed substance | Hypochlorous acid (CAS 7790-92-3) Listed. Sodium hypochlorite (CAS 7681-52-9) Listed. |
| US. Massachusetts RTK - Substance List | Sodium hypochlorite (CAS 7681-52-9) |
| US. New Jersey Worker and Community Right-to-Know Act | Sodium hypochlorite (CAS 7681-52-9) |
| US. Pennsylvania Worker and Community Right-to-Know Law | Sodium hypochlorite (CAS 7681-52-9) |

US. California Proposition 65

Not Listed.

Inventory status

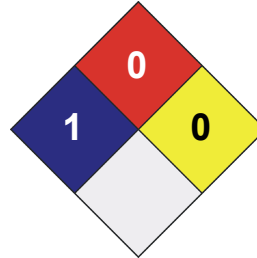
| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other information

| LEGEND | |
|----------|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | 0 |

| | |
|----------------------------|-----|
| HEALTH | / 1 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | X |

**Disclaimer**

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Prepared by

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Further information

Not available.

Other information

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.