



# Village of Cache Creek

## Policy No. H-6

### Disinfectants Safe Handling – Water Treatment Plant

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#### 1. *Sodium hypochlorite self-contained system*

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##### Transportation and storage

- Before receiving the Sodium Hypochlorite 12%, NSF®-60, 900 L self-contained totes from Cleartech, please inspect the totes for integrity. The totes must have the supplier seal on the totes clearly displaying inspection certification. If certification not compliant, do not accept tote and contact vendor as soon as possible
- The received tote shall be placed in the WTP in the designated area and connected to the self-contained chlorination system
- When connecting and disconnecting the totes from the self-contained chlorination system, as well when the designated area is being cleaned, minimum personal protective equipment must be used

##### Minimum personal protective equipment (PPE)

- Nitrile rubber gloves
- Canadian Standards Association (CSA) approved safety glasses
- Lab coat

##### Hazards

- **Never mix bleach with other chemicals.** If sodium hypochlorite comes in contact with other cleaners containing ammonia or chlorine compounds, fatal levels of ammonia gas or chlorine gas can be produced.
- Bleach must be stored separately from corrosives, detergents or other cleaning products.
- May be corrosive to metals
- Cause severe skin burns and eye damage.
- **\*\*\* Sink and eyewash station on site on North wall approx. 10 feet from the water treatment station \*\*\***
- **Eye Contact:** please inform the Safety Officer immediately to contact physician and Poison Control. Chemical burns must be treated promptly by physician. Flush the area for 15 to 20 minutes with running water. **POISON CONTROL CENTRE BC @ 1.800.567.8911.**

- **SKIN CONTACT:** Flush affected skin with plenty of water. Remove contaminated overall and work shoes. Wash contaminated clothing thoroughly with water before removing or wearing gloves. Ensure contaminants did not penetrate working equipment and affected personal clothing. If that happens, take time off to shower and change in new clothing and launder personal clothing.

#### **Cleaning designated storage area in the WTP**

- To avoid corrosion to the computer monitoring system and electronic sensors, wash self-contained chlorination system with water ONLY.
- Use minimum PPE during cleaning designated area.

#### **Spill response**

- In the event of a catastrophic tote failure, where the 900 liters may empty quickly, workers are to leave the area, contact the vendor and not re-enter until the possibility of chlorine gas exposure has been verified/eliminated.

#### **Reporting Incidents**

- **Any incident must be documented and reported to the safety officer and administration**
- Familiarize yourself with the Safety Data Sheet before using product (on notice board)

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### *2. Ethyl Alcohol 80% v/v – Ready to Use Hand Sanitizer for office*

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#### **Uses:**

- Antibacterial Cleanser. For personal hand hygiene to help prevent the spread of bacteria

#### **Purpose:**

- Antiseptic

#### **Directions**

- Rub thoroughly into hands for at least 30 seconds. Allow to dry.
- For occasional use

#### **Cautions and Warnings:**

- Flammable. Keep away from sources of heat, fire, or flame
- Store at a temperature below 43 C (110 F)
- When using this product avoid contact with eyes. If contact occurs, rinse thoroughly with water; stop use and ask a doctor if irritation or redness develops and lasts
- If swallowed report to Safety Officer and get medical help or contact Poison Control Centre immediately.

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### 3. Dyna Quat Plus

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#### Uses:

- Use a dilution spray of 80 ml per 5 litres. Dyna Quat Plus is effective in the presence of 5% blood serum with a 10 min contact time.
- Spray the area with diluted Dyna Quat/Disinfectant solution to wet all surfaces completely for 60 seconds. Let air dry

#### Purpose:

- to clean high-touch surfaces such as door knobs, desk tops, keyboards, payment stations, floor

#### STORAGE:

- Store concentrate in original container at the Community Hall in the chemical designated storage area and spaced away from other chemicals.
- Containers must be protected from direct sunlight in a dry and cool away from food and drink. Store between the following temperatures: 40F – 120 F (4.4 C – 49 C). Keep container tightly closed and sealed until ready for use.
- Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Handling:

- Use decanter when diluting concentrate per dilution instructions. Decanter should be clearly labeled
- When handling concentrate and diluting use rubber gloves and safety glasses provided next to the storage station to avoid contact with skin and eyes.
- Diluted spray bottles must be clearly labeled and display concentration ratio.

#### Cautions and Warnings:

- May cause skin burns and eye damage.
- **\*\*\* Sink and eyewash station on site on North wall approx. 10 feet from the water treatment station \*\*\***
- **Eye Contact:** please inform the Safety Officer immediately to contact physician and Poison Control. Chemical burns must be treated promptly by physician. Flush the area for 15 to 20 minutes with running water. **POISON CONTROL CENTRE BC @ 1.800.567.8911.**
- **SKIN CONTACT:** Flush affected skin with plenty of water.

#### Reporting Incidents

- **Any incident must be documented and reported to the safety officer and administration**
  - Familiarize yourself with the Safety Data Sheet before using product (on notice board)