

## 1. IDENTIFICATION

### Product Identifier

**Product Name** FLEET  
**Chemical Name** sodium hypochlorite solution

### Recommended use of the chemical and restrictions on use

**Recommended use** Stain remover - laundry  
**Restrictions on use** For industrial use only

### Supplier details

West Penetone Inc.  
11411-160 Street  
Edmonton, AB,  
T5M3T7  
Tel: 780-454-3919

### Emergency Telephone Number

Main office – (780)-454-3919, 8:00 AM to 4:30 PM MST

## 2. HAZARDS IDENTIFICATION

### Classification

Corrosive to metals	Category 1
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity – single exposure	Category 3
Hazardous to the aquatic environment, acute hazard	Category 1

### Label Elements

#### DANGER

#### Hazard Statements

May be corrosive to metals  
Causes skin irritation  
Causes serious eye damage  
May cause respiratory irritation  
Very toxic to aquatic life



### Precautionary Statements - Prevention

Keep only in original packaging.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Wash face, hands, and any exposed skin thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements - Response**

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash it before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician 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.

Immediately call a POISON CENTER or doctor/physician.

Absorb spillage to prevent material-damage.

Collect spillage.

**Precautionary Statements - Storage**

Store in corrosion resistant/container with a resistant liner. Store locked up.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %*
sodium hypochlorite, solution	7681-52-9	7-13

\* The actual concentration has been withheld as a trade secret

**4. FIRST AID MEASURES**

<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Skin contact</b>	Wash with plenty of water. If skin irritation occurs get medical advice/attention. Take off contaminated clothing and wash it before reuse.
<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician

**Most important symptoms and effects, both acute and delayed**

Contact with eyes may cause conjunctivitis, corneal burns and permanent damage or blindness. Contact with skin may cause irritation resulting in local redness, whitening, or bleaching. Prolonged contact with skin may cause burns or blistering. Inhalation may cause severe respiratory irritation. Repeated or prolonged exposures may cause productive coughing, running nose, bronchopneumonia, pulmonary edema, and reduction of pulmonary function. Ingestion may cause burns to mouth, nose, throat, and gastrointestinal tract leading to vomiting, nausea, and diarrhea.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

None.

**Specific hazards arising from the chemical**

During fire, gases hazardous to health may be formed including oxides of chlorine, sodium, and other irritating gases.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes, and clothing. Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. High risk of slipping due to product leakage/spillage.

### Environmental Precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

Contain and solidify with inert absorbent material. Keep in suitable, closed containers for disposal. Following product recovery, flush contaminated area with water. For large spills, stop flow of material, prevent product from entering drains, and pump off product where this is without risk and possible. Proceed as above.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

**Handling** Avoid contact with skin, eyes, and clothing. Avoid inhalation of vapor or mist.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep in closed, vented containers away from direct sunlight in a dry, cool (below 29°C) and well-ventilated place, away from incompatible materials.

**Incompatible Materials** Organic and combustible materials, strong reducing agents or acids, metals.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
sodium hypochlorite, solution 7681-52-9	TWA: 0.5 ppm as chlorine	Not available	Not available

### Appropriate engineering controls

**Engineering Controls** Eye wash facilities should be made available when handling this product. Ensure adequate ventilation, especially in confined areas.

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

**Eye/face Protection** Safety glasses with side shields or goggles.

**Skin and body protection** Wear protective gloves and protective clothing.

**Respiratory Protection** Wear respiratory protection in case of vapor/aerosol release.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **APPEARANCE:**

Colorless to light green liquid

### **ODOR:**

Chlorine

### **ODOR THRESHOLD:**

Not applicable

### **VAPOR PRESSURE, mm Hg AT 20°C:**

Not available

### **VAPOR DENSITY (Air = 1):**

Not available

### **RELATIVE DENSITY AT 20°C:**

1.178

**pH:**

Approx. 12

**MELTING POINT / FREEZING POINT:**

Approx. -12°C

**BOILING POINT/BOILING RANGE:**

Approx. 100°C

**FLASH POINT:**

None

**EVAPORATION RATE, water = 1:**

1

**FLAMMABILITY (SOLID, GAS):**

Not applicable

**SOLUBILITY IN WATER:**

Complete

**PARTITION COEFFICIENT, N-OCTANOL/WATER:**

Not available

**AUTO-IGNITION TEMPERATURE:**

Not available

**DECOMPOSITION TEMPERATURE:**

51°C

**VISCOSITY:**

Not available

**FLAMMABLE LIMITS:****UPPER:** Not applicable **LOWER:** Not applicable**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive.

**Chemical Stability**

Light sensitive. Storage at room temperature leads to decomposition at a rate of 10% per month. Higher temperatures accelerate decomposition, releasing oxygen gas.

**Possibility of hazardous reactions**

Mixing product with acids releases chlorine gas.

**Conditions to Avoid**

Extreme temperatures. Store away from incompatible materials.

**Incompatible Materials**

Organic and combustible materials, strong reducing agents or acids, metals.

**Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition can lead to release of oxygen.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
sodium hypochlorite, solution 7681-52-9	8910 mg/kg (rat)	>10000 mg/kg (rabbit)	>5.25 mg/L (rat) – 4 h

**Information on likely sources of exposure****Serious eye damage/irritation**

Causes serious eye damage.

**Skin corrosion/irritation**

Causes serious skin irritation, whitening, or bleaching.

**Inhalation**

May be harmful if inhaled.

**Ingestion**

Expected to be a low ingestion hazard.

**Delayed and immediate effects and also chronic effects from short and long-term exposure****Respiratory or skin sensitization**

Not a sensitizer.

**Germ cell mutagenicity**

None known.

**Carcinogenicity**

No listed carcinogens.

**Reproductive toxicity**

No information available.

**STOT - single exposure**

No information available.

**STOT-repeated exposure**

No information available.

**Aspiration Hazard**

None.

**Symptoms related to the physical, chemical and toxicological characteristics**

See Sections 2 & 4.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Toxicity of product is primarily associated with pH.

Chemical Name	Fish	Waterflea	Algae
sodium hypochlorite, solution 7681-52-9	0.58 mg/L: 96 h lepomis macrochirus LC50	0.169 mg/L: 48 h daphnia magna EC50	0.095 mg/L: 72 h skeletonema costatum EC50

**Persistence and degradability**

Not applicable to inorganic substances.

**Bioaccumulative potential**

Does not significantly accumulate in organisms.

**Mobility in soil**

No information available

**Other adverse effects**

Do not release untreated into natural waters. No other adverse environmental effects are expected.

**13. DISPOSAL CONSIDERATIONS****Waste Disposal Method**

Dispose of in accordance with local regulations.

**Contaminated Packaging**

Empty containers should be taken for local recycling, recovery, or waste disposal.

**14. TRANSPORT INFORMATION**

UN Number: 1791  
UN Proper Shipping Name: Hypochlorite Solution  
Transport Hazard Class(es):  
Class: TDG: 8  
US DOT: 8  
IMDG: 8  
Label(s): 8  
Packing Group: III  
Marine Pollutant: No

Special precautions for user: None established

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:  
Not determined

**15. REGULATORY INFORMATION****Canada (DSL/NDSL)**

All ingredients contained in this product are in compliance with the Canadian Environmental Protection Act and are listed on the DSL or are exempt.

**United States (TSCA)**

All ingredients contained in this product are listed on the TSCA inventory or are exempt.

**HMIS Information:**

Health: 3  
Flammability: 0  
Reactivity: 0

**16. OTHER INFORMATION****Preparation Date**

8 November 2016

**Revision Date**

8 July 2025

**Revision Note**

Revision 2 – Adjustments to Sections 1

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation,

disposal, and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of SDS**