

1. IDENTIFICATION

Product Identifier

Product Name FLEET

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

Canutec (613)-996-6666

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 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.

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.

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

4. FIRST AID MEASURES

Eye contact	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
Skin contact	Wash with plenty of water. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Ingestion	Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

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**TDG classification**

UN 1791, Hypochlorite Solution, Class 8, PG III

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION**Preparation Date**

8 November, 2016

Revision Date

not applicable

Revision Note

not applicable

Disclaimer

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End of SDS