

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Laundry Bleach 6%

Other means of identification: ENV-1108

Recommended use: Brightener and cleaner

Restrictions on use: Do not mix with strong acids

Manufacturer: EnviroWay

2241 Hanselman Ave.

Saskatoon, SK S7L 6A7, Canada

Tel: 306-244-7727

Fax: 306-244-7772

Toll free: 1-888-274-0862, www.enviroway.ca

Emergency phone:

Leak and Spill: 1-800-667-7525 (SASK SPILLS) for the Province of Saskatchewan

1-866-845-6037 (Environment Canada) for anywhere else

Poison Control: 1-866-454-1212 (Saskatchewan)

SECTION 2: HAZARD IDENTIFICATION

CONCENTRATE HAZARDS:

Hazard classification

Skin corrosion/irritation Category 1B

Serious eye damage/irritation Category 1

Corrosive to metals Category 1

Signal word Danger



Hazard statements

Causes severe skin burns and eye damage.

May be corrosive to metals.

Precautionary statements

Prevention Keep only in original packaging.

Wash thoroughly after handling.

Wear protective gloves, protective clothing, eye protection, and face protection.

Do not breathe mist, vapours or spray.

Response Absorb spillage to prevent material-damage.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Immediately call a POISON CENTRE or doctor/physician.

Storage

Store locked up.

Disposal

Dispose of in accordance with local regulations at government approved waste sites.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

The following ingredients have hazardous properties:

Chemical name	CAS #	% by weight
Sodium hypochlorite	7681-52-9	5-10

Ingredients not shown are either not hazardous or present below cut-off values. Ranges shown are due to batch-to-batch variation.

SECTION 4: FIRST AID MEASURES

IF SWALLOWED: If swallowed, rinse mouth. Do NOT induce vomiting. Seek immediate medical attention.

IF ON SKIN (or hair): Rinse skin with water. Remove immediately all contaminated clothing and wash before reuse. Seek immediate medical attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Seek immediate medical attention.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician.

Most important symptoms/effects/effects acute and delayed: See Section 11 for more detailed information on health effects and symptoms.

Immediate medical attention and special treatment needed: Not available

SECTION 5: FIRE FIGHTING MEASURES

Flammable: Not flammable

Means of Extinction: Use dry chemicals, CO₂, water spray, fog, or foam.

Unsuitable extinguishing media: None

Flashpoint: Not available

Special Fire Fighting Procedures: Use water spray to keep containers cool. Fire fighters should wear self-contained breathing apparatus and full protective clothing.

Hazardous Decomposition Products: Chlorine, oxygen, copper, nickel, sodium chloride and sodium chlorate.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Mop spillage. Use a water rinse for final cleanup.

SECTION 7: HANDLING AND STORAGE

Handling Procedures and Equipment: Wear protective gloves, protective clothing, eye protection, and face protection. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe mist, vapours or spray. When diluting, always add acid to water and never water to acid. Empty containers may contain hazardous residues and should be commercially cleaned before reuse.

Storage Requirements: Store in a dry, cool, well-ventilated area. Store away from direct sunlight and heat. Do not allow to freeze. Store in original container with closed lid, away from incompatible materials such as strong oxidizing agents. Store locked up.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Sodium hypochlorite	Not available	Not available	Not available

Gloves: Wear protective gloves

Eye: Wear eye and face protection

Clothing: Wear protective clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Greenish yellow liquid

Odour: Strong chlorine odour

Odour Threshold (ppm): Information not available

pH: >12

Melting point/Freezing Point: -25°C

Initial Boiling Point/Range: 110°C (15%)

Flash point: Information not available

Evaporation Rate: Information not available

Flammability: Not flammable

Upper/lower flammability/explosive limit: Information not available

Vapour Pressure (mmHg): Not known

Vapour Density (air = 1): Information not available

Relative density: 1.165

Solubility in Water: Miscible

Partition coefficient: Information not available

Auto-ignition temperature: Information not available

Decomposition temperature: Information not available

Viscosity: Information not available

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable

Hazardous Polymerization: Will not occur.

Materials to Avoid: Strong acids, ammonia, amines, urea, oxidizable materials, nickel, copper, tin manganese, and iron.

Hazardous Decomposition Products: Chlorine, oxygen, copper, nickel, sodium chloride and sodium chlorate.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Sodium hypochlorite	8910	Not available	Not available

EFFECTS OF ACUTE EXPOSURE:

Ingestion: Can cause burns to the mouth, throat, esophagus and gastrointestinal tract with symptoms of nausea, vomiting and diarrhoea.

Skin Contact: Causes severe eye damage.

Eye Contact: Causes severe skin burns.

Germ cell mutagenicity: Not applicable

Carcinogenicity: Not applicable

Reproductive toxicity: Not applicable

STOT single exposure: Not applicable

STOT repeated exposure: Not applicable

Aspiration hazard: Not applicable

Routes of exposure: Ingestion, inhalation, skin/eye exposure

EFFECTS OF CHRONIC EXPOSURE:

Skin Contact: Not known.

Eye Contact: Not known.

Ingestion: Not known

Numerical measures of toxicity:

Oral: LD50 148,500mg/kg

Dermal: Information not available

Inhalation: Information not available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Sodium hypochlorite	LC ₅₀ (96h): 0.58 mg/L (Lepomis macrochirus)	EC ₅₀ (48h): 0.169 mg/L (Daphnia magna)	Not available

Persistence and Degradability: No information available

Bioaccumulation/Accumulation: No information available

Mobility: No information available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of in accordance with local regulations at government approved waste sites.



SECTION 14: TRANSPORT INFORMATION

Special Shipping Information: None

TDG (Canada):

TDG Proper Shipping Name: Hypochlorite solution

Hazard Class: Class 8

UN Number: UN1791

Packing Group: III

Note: No additional remark.

Marine Pollutant: None

SECTION 15: REGULATORY INFORMATION

Canadian DSL Inventory Status: All ingredients are specified on the Domestic Substances List or exempt. No safety, health, or environmental regulations specific to this product are known.

SECTION 16: OTHER INFORMATION

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