

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Hydrogen Peroxide 29% Technical Grade (#1603)

Recommended use: pH control

Manufacturer: EnviroWay Detergent Manufacturing Incorporated
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Saskatoon, SK S7L 6A7, Canada
Tel: 306-244-7727
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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

In Transit: 1-613-996-6666 or *666 on cellular phone (CANUTEC)

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

SECTION 2: HAZARD IDENTIFICATION

Hazard classification

Acute toxicity – oral	Category 4
Acute toxicity – inhalation	Category 4
Skin corrosion/irritation	Category 1B
Serious eye damage/eye irritation	Category 1
Oxidizing Solid	Category 2

Signal word Danger



Hazard statements

Harmful if swallowed.

Harmful if inhaled.

Causes severe skin burns and eye damage.

May cause fire or explosion; strong oxidizer.

Precautionary statements

Prevention Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep away from clothing and other combustible materials.

	Wash hands thoroughly after handling.
	Wear protective gloves, protective clothing, eye protection, and face protection.
	Use only outdoors or in a well-ventilated area.
	Do not breathe mist, vapours or spray.
	Do not eat, drink or smoke when using this product.
Response	Immediately call a POISON CENTRE/doctor.
	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	Immediately call a POISON CENTER or doctor/ physician.
	IF ON SKIN (or hair): Take off immediately contaminated clothing and wash before reuse.
	Rinse skin with water or shower.
	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a POISON CENTRE/doctor.
	In case of fire: Use water spray or appropriate foam to extinguish.
Storage	Store locked up.
	Store separately.
Disposal	Dispose of in accordance with local regulations at government approved waste sites.

SECTION 3: COMPOSITION

The following ingredients have hazardous properties:

Ingredient	CAS #	% by weight
Hydrogen peroxide	7722-84-1	29

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: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek immediate medical attention.

IF ON SKIN: Immediately remove contaminated clothing. Rinse skin with water or shower. Wash clothing before reuse. Seek immediate medical attention.

IF IN EYES: Rinse thoroughly with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Seek immediate medical attention.

IF INHALED: Move person into fresh air. If not breathing, give artificial respiration. Seek immediate medical attention.

IF exposed or concerned: Get medical advice/attention if you feel unwell.

SECTION 5: FIRE FIGHTING MEASURES

Flammable: No

Means of Extinction: Use water spray or appropriate foam. Do not use carbon dioxide extinguisher.

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Clean up spill with absorbent material and dispose of waste accordingly. Flush residue with water.

SECTION 7: HANDLING AND STORAGE

Handling Procedures and Equipment: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Storage Requirements: Store locked up. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Hydrogen peroxide	1 ppm	(TWA) 1 ppm	Not available

Gloves: Wear chemical resistant gloves.

Respirator: Use mechanical exhaust or laboratory fume hood to avoid exposure.

Eye: Wear chemical safety glasses or a face shield.

Clothing: Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Other: Should have emergency eye wash and shower available nearby.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid

Odour: Slight odour

Odour Threshold (ppm): Information not available

pH: 3.3

Freezing Point: -0.13°C

Initial Boiling Point/Range: 116°C

Flash point: Not available

Evaporation Rate: Information not available

Flammability: Not flammable

Upper/lower flammability/explosive limit: Information not available

Vapour Pressure (mmHg): 25 mmHg at 30°C

Vapour Density (air = 1): 1.17

Relative density: 1.11

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: High temperatures, metals, reducing agents, alkalis, combustible materials, organic materials, heavy metals and their salts.

Hazardous Decomposition Products: Oxygen and steam.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Hydrogen peroxide	Not available	Not available	Not available

EFFECTS OF ACUTE EXPOSURE:

Ingestion: May cause burns to the mouth, throat and digestive tract. May be harmful if swallowed.

Skin Contact: Can cause severe skin burns.

Eye Contact: Causes serious eye damage.

Inhalation: May be harmful if inhaled.

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 measure of toxicity:

Oral: LD50 = Not available

Dermal: LD50 = Not available

Inhalation: LD50 = Not available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Hydrogen peroxide	LC ₅₀ (96h): 16.4 mg/L (Pimephales promelas)	EC ₅₀ (48h): 2.4 mg/L (Daphnia pulex)	EC ₅₀ (72-96h): 3.7-160 mg/L

Persistence and Degradability: Readily biodegradable.

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: Hydrogen peroxide, aqueous solution

Hazard Class: Class 5.1 (8)

UN Number: 2014

Packing Group: II

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

SECTION 16: OTHER INFORMATION

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