

Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Name: - All bright cleaner

Other Product Identifiers: - ENV-211

Recommended use:- All purpose cleaner for metals.

Manufacturer: EnviroWay Manufacturing Inc

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Fax: 306-244-7772

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

Manufactured for: EnviroWay Manufacturing Inc.

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

(For undiluted form only)

Corrosive to metals

Category 1

Serious eye damage/irritation

Category 1

Skin irritation/corrosion

Category 1

Acute oral toxicity

Category 3

Acute dermal toxicity

Category 2



Signal Word

DANGER!

Hazard statement

May cause serious skin and eye irritation or damage.

May cause corrosion to metals.

Precautionary Statement

Prevention	<p>Wash thoroughly after handling.</p> <p>Do not eat, drink or smoke when using this product.</p> <p>Avoid breathing dust/fume/gas/mist/vapors/spray.</p> <p>Wash skin thoroughly after handling.</p> <p>Contaminated work clothing should not be allowed out of the workplace.</p> <p>Avoid release to environment.</p> <p>Keep only in original container.</p> <p>Wear protective gloves, mask and clothing when dealing with undiluted product.</p> <p>Wear eye protection</p> <p>Discard contaminated clothing.</p>
Response	<p>In case of fire: Use CO₂, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.</p> <p>IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.</p> <p>IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.</p> <p>IF IN EYES: Wash your eyes with plenty of water. Remove the contact lens if easy to do so. Immediately seek medical advice or attention.</p> <p>IF INHALED: Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing is irregular or stopped, administer artificial respiration. Call a POISON CENTRE or doctor/physician if you feel unwell</p> <p>IF exposed or concerned: Get medical advice/attention.</p>
Storage	Store locked up. Store in a well-ventilated place.
Disposal	Dispose of contents/container in accordance with local regulation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture: Mixture

The following ingredients have hazardous properties:

(Concentrated form):

Ingredient	CAS #	% by weight
Hydrofluoric acid	7664-39-3	1-10
Sulfuric acid	7664-93-9	1-10
Alcohols (c12-15 Ln. Saturated) Ethoxylate	68131-39-5	1-5

This product is a consumer product and therefore an SDS is not required. This SDS fully discloses any health and safety hazards but limits the disclosure of ingredient ranges for proprietary reasons.

SECTION 4: FIRST AID MEASURES

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention if

required. Take off contaminated clothing and wash before reuse.

IF IN EYES: Do not rub your eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

IF INHALED: Call a POISON CENTRE or doctor/physician if you feel unwell.

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: Non-flammable

Suitable extinguishing media: Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO₂)

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Flashpoint: Information not available

Special Fire Fighting Procedures: Self-contained breathing apparatus and full protective clothing must be worn in case of fire

SECTION 6: ACCIDENTAL RELEASE MEASURE

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up: Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination

Never return spills to original containers for re-use.

Environmental precautions: Avoid discharge into drains, water courses or onto the ground.

SECTION 7: HANDLING AND STORAGE MEASURES

Storage Requirements: Store in accordance with good manufacturing practices. Do not store in: Opened or unlabeled containers. Zinc. Aluminum. Aluminum alloys. Copper. Copper alloys. Galvanized containers. Nickel. Store in original unopened container. See Section 10 for more specific information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient	Exposure Limit- ACGIH	Exposure Limit- OSHA	Exposure Limit- IDLH
Hydrofluoric acid	0.5 ppm	2 ppm	N/A

Sulfuric acid	0.2 mg/m ³	1 mg/m ³	15 mg/m ³
Alcohols (c12-15 Ln. Saturated) Ethoxylate	20 ppm	50 ppm	5 ppm

Gloves: Wear protective gloves

Respirator: Required for regular use

Eye: Wear eye protection.

Footwear: Required for regular use.

Clothing: Required for regular use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid

Odour: Chemical scent

Odour Threshold: Information not available

pH: 2-3

Freezing Point/Boiling point: Information not available/information not available

Flash point: Information not available

Evaporation Rate: Information not available

Flammability: Non-Flammable

Upper/Lower flammability/explosive limit: Not applicable

Vapour Pressure (mmHg): Information not available

Vapour Density (air=1): Information not available

Relative Density: 1.01g/mL

Solubility in Water: Soluble

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

Possibility of hazardous reactions: - Contact with acids will cause evolution of heat. Carbon monoxide gas may form upon contact with reducing sugars, food and beverage products in enclosed spaces. When wet, may react with alkali sensitive metals to form flammable hydrogen gas.

Materials to Avoid: Can generate heat when mixed with acids. When wet avoid prolonged contact with alkali sensitive metals such as: aluminum, brass, bronze, copper, lead, tin, zinc because flammable hydrogen gas can be generated.

Hazardous Decomposition Products: oxides of carbon and Sulphur.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredients	LD50 oral (mg/kg)	LD50 dermal (mg/kg)	LC50 Inhalation (mg/m ³)
Hydrofluoric acid	10.63	10.63	1250

Sulfuric acid	2140	N/A	3750
Alcohols (c12-15 Ln. Saturated) Ethoxylate	1800	2000	N/A

EFFECTS OF ACUTE EXPOSURE:

Skin Contact: May cause severe skin irritation.

Eye Contact: May causes serious eye damage.

Inhalation: Not known

Ingestion: Not known

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: Not known to be carcinogenic. No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive toxicity: Not available

STOT single exposure: Respiratory irritant

STOT repeated exposure: Not available

Aspiration hazard: Not available

Routes of exposure: Ingestion, skin/eye exposure

EFFECTS OF CHRONIC EXPOSURE:

Skin Contact: Not known.

Eye Contact: Not known.

Ingestion: Not known

Numerical measures of toxicity:

(CONCENTRATED)

ATE Oral: 105.6 mg/kg

ATE Dermal: 106 mg/kg

ATE Inhalation: 10000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ingredients	Fish	Crustacean	Algae
Hydrofluoric acid	N/A	N/A	N/A
Sulfuric acid	LC ₅₀ : 500 mg/L (96h)	EC ₅₀ : 29 mg/L (24h)	N/A
Alcohols (c12-15 Ln. Saturated) Ethoxylate	LC ₅₀ : 5-10 mg/L (96h)	EC ₅₀ : 5-10 mg/L (24h)	EC ₅₀ : 10-100 mg/L (24h)

Persistence and degradability: Expected to be readily biodegradable.

Bioaccumulation/Accumulation: No information available.

Mobility: No information available

Other adverse effects: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Disposal instructions: Dispose of contents/container in accordance with local/regional/national/international regulations.

13.2. Hazardous waste code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

13.3. Waste from residues / unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

13.4. Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14: TRANSPORT INFORMATION

Special Shipping Information: None

TDG (Canada):

TDG Proper Shipping Name: Not Regulated

Hazard Class: Not Applicable.

UN Number: Not Applicable.

Packing Group: Not Applicable.

Note: No additional remark.

Marine Pollutant: None

DOT (US):

DOT Shipping Name: Not Regulated.

DOT Hazardous Class: Not Applicable.

DOT UN Number: Not Applicable.

DOT Packing Group: Not Applicable.

DOT Reportable Quantity (lbs): Not Available.

Note: No additional remark.

Marine Pollutant: None

SECTION 15: REGULATORY INFORMATION

15.1 Notification status

All the ingredients in this product are in compliance with TSCA and DSL inventory.

SECTION 16: OTHER INFORMATION

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