

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: 256x All Purpose cleaner ULT-1731

Recommended use: all purpose cleaner, for use with dilution control system

Manufacturer: EnviroWay Detergent Manufacturing Incorporated

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

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

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

SECTION 2: HAZARD IDENTIFICATION

CONCENTRATE HAZARDS:

Hazard classification

Flammable liquids	Category 4
Acute toxicity (oral)	Category 5
Acute toxicity (dermal)	Category 5
Skin corrosion/irritation	Category 2
Serious eye damage/irritation	Category 1
Carcinogen	Category 1
STOT repeated exposure	Category 2

Signal word Danger



Hazard statements

Combustible liquid.

May be harmful if swallowed.

May be harmful in contact with skin.

Causes skin irritation.

Causes serious eye damage.

May cause cancer.

May cause damage to respiratory system through prolonged or repeated inhalation.

Precautionary statements

Prevention	Keep away from heat, hot surfaces, open flames, sparks and other ignition sources. No smoking. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe fume/mist/vapours/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Response	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. IF SWALLOWED: Call a poison centre/doctor if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention. 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 doctor. Call a POISON CENTRE/doctor if you feel unwell. IF exposed or concerned: Get medical advice/attention.
Storage	Store locked up. Store in a well-ventilated place.
Disposal	Dispose of in accordance with local regulations at government approved waste sites.

READY-TO-USE/DILUTED HAZARDS:

NONE

SECTION 3: COMPOSITION

The following ingredients have hazardous properties:

Ingredient	CAS #	% by weight
alkyl benzenesulfonic acid	68584-22-5	1-5
ethylene glycol monobutyl ether	111-76-2	1-5
tetrasodium ethylene diamine tetraacetate	64-02-8	1-5
Sodium xylene sulphonate	1300-72-7	1-5
Alcohols c12-15 ethoxylate	68131-39-5	1-5
Potassium hydroxide	1310-58-3	1-5

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: Call a POISON CENTRE/doctor if you feel unwell.

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

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 CENTRE or doctor/physician.

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

SECTION 5: FIRE FIGHTING MEASURES

Flammable: Combustible liquid

Means of Extinction: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Flashpoint: 73°C

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: Mop spillage. Use a water rinse for final cleanup.

SECTION 7: HANDLING AND STORAGE

Handling Procedures and Equipment: Handle in accordance with good industrial hygiene. Wear protective gloves/eye protection/face protection.

Storage Requirements: Store locked up. Store in a dry, cool, well-ventilated area between 5°C to 40°C and away from direct sunlight. Store in original container with closed lid, away from incompatible materials such as strong oxidizing agents. Avoid food contamination.

SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
alkyl benzenesulfonic acid	0.2mg/m ³ TWA	1mg/m ³ PEL	Not available
ethylene glycol monobutyl ether	100mg/m ³ STEL	50ppm TWA	Not available
tetrasodium ethylene diamine tetraacetate	Not available	Not available	Not available
Sodium xylene sulphonate	Not available	Not available	Not available
Alcohols c12-15 ethoxylate	Not available	Not available	Not available
Potassium hydroxide	Not available	Not available	Not available

Gloves: wear protective gloves

Respirator: not required for regular use

Eye: wear eye protection

Footwear: not required for regular use

Clothing: wear protective clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: clear green liquid

Odour: chemical scent

Odour Threshold (ppm): Information not available

pH: 7.8

Freezing Point: Information not available

Initial Boiling Point/Range: Information not available

Flash point: 73°C

Evaporation Rate: Information not available

Flammability: Combustible liquid

Upper/lower flammability/explosive limit: Information not available

Vapour Pressure (mmHg): Information not available

Vapour Density (air = 1):

Relative density: 1.02 g/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

Hazardous Polymerization: Will not occur.

Materials to Avoid: Moisture, heat, exposure to harsh chemical substances such as oxidizing agents

Hazardous Decomposition Products: Not applicable

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
alkyl benzenesulfonic acid	500	2000	Not available
ethylene glycol monobutyl ether	1300	220	450
tetrasodium ethylene diamine tetraacetate	2000	Not available	1
Sodium xylene sulphonate	7200	2000	Not available
Alcohols c12-15 ethoxylate	2000	>2000	Not available
Potassium hydroxide	Not available	Not available	Not available

EFFECTS OF ACUTE EXPOSURE:

Ingestion: May cause nausea, vomiting, and gastrointestinal irritation and diarrhoea. May be harmful if swallowed.

Skin Contact: Causes skin irritation.

Eye Contact: Causes serious eye damage.

Inhalation: May cause headache or dizziness.

Germ cell mutagenicity: Not applicable

Carcinogenicity: ethylene glycol monobutyl ether as listed as an ACGIH A3 carcinogen
alkyl benzenesulfonic acid is a IARC category 1 carcinogen

Reproductive toxicity: ethylene glycol monobutyl ether may cause reproductive effects based on studies in lab animals at high doses

STOT single exposure: Not applicable

STOT repeated exposure: may cause damage to respiratory system through prolonged or repeated inhalation

Aspiration hazard: Not available

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

EFFECTS OF CHRONIC EXPOSURE:

Skin Contact: Not known.

Eye Contact: Not known.

Ingestion: Not known

CONCENTRATE Numerical measures of toxicity:

Oral: LD50 4386mg/kg

Dermal: LD50 3738mg/kg

Inhalation: LC50 59mg/L

READY TO USE/DILUTED Numerical measures of toxicity:

Oral: LD50 83,618mg/kg

Dermal: LD50 957,009mg/kg

Inhalation: LC50 15,138mg/L

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
alkyl benzenesulfonic acid	LC50 1.67mg/L, 96h	EC50 2.4mg/L, 48h	EC50 47.3mg/L, 72h
ethylene glycol monobutyl ether	LC50 1474mg/L, 96h	Not available	Not available
tetrasodium ethylene diamine tetraacetate	LC50 >500mg/L, 96h	EC50 >100mg/L, 48h	Not available
Sodium xylene sulphonate	LC50 >1000mg/L, 96h	EC50 >40mg/L, 48h	EC50 >230mg/L, 96h
Alcohols c12-15 ethoxylate	LC50 5-10mg/L, 96h	EC50 5-10mg/L, 48h	EC50 10-100mg/L, 72h
Potassium hydroxide	LC50 179mg/L, 96h	EC50 60mg/L, 48h	Not available

Persistence and Degradability: biodegradable.

Bioaccumulation/Accumulation: No information available.

Mobility: No information available.

Other adverse effects: No information available.

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: 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

Canadian DSL Inventory Status: All ingredients are specified on the Domestic Substances List or exempt

SECTION 16: OTHER INFORMATION

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