

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: 32x Kitchen Cleaner and Degreaser, ULT-1751

Recommended use: industrial kitchen 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 4
Skin corrosion/irritation	Category 1
Serious eye damage/irritation	Category 1
Carcinogen	Category 2
STOT RE	Category 2

Signal word

Danger



Hazard statements

Combustible liquid.

May be harmful if swallowed.

Harmful in contact with skin.

Causes severe skin burns and eye damage.

Suspected of causing cancer.

May cause damage to organs (respiratory system) through prolonged or repeated exposure (by 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 eat, drink or smoke when using this product.
 Do not breathe fume/mist/vapours/spray.
 Use only outdoors or in a well-ventilated area.
 In case of inadequate ventilation wear respiratory protection.
 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: Rinse mouth. Do NOT induce vomiting. Call a poison centre/doctor if you feel unwell.
 IF ON SKIN (or hair): Immediately call a POISON CENTER or doctor/physician. Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash 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.
 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 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
ethylene glycol monobutyl ether	111-76-2	10-20
sodium xylene sulphonate	1300-72-7	1-5
sodium metasilicate pentahydrate	10213-79-3	1-5
tetrasodium ethylene diamine tetraacetate	64-02-8	1-5
alcohols, c9-11, ethoxylated	9002-92-0	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: Rinse mouth. Do NOT induce vomiting. Call a poison centre/doctor if you feel unwell.

IF ON SKIN (or hair): Immediately call a POISON CENTER or doctor/physician. Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash 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.

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

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: 61°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:

Storage Requirements: Store in a dry, cool, well-ventilated area, 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. Avoid food contamination. Store locked up.

SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
ethylene glycol monobutyl ether	Not available	50ppm TWA	Not available
sodium xylene sulphonate	Not available	Not available	Not available
sodium metasilicate pentahydrate	10mg/m ³	50ppm	Not available
tetrasodium ethylene diamine tetraacetate	Not available	Not available	Not available
alcohols, c9-11, ethoxylated	Not available	Not available	Not available

Gloves: wear protective gloves

Respirator: wear an appropriate respirator

Eye: wear protective eye protection

Clothing: wear protective clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: purple liquid

Odour: chemical scent

Odour Threshold (ppm): Information not available

pH: 12.9

Freezing Point: Information not available

Initial Boiling Point/Range: Information not available

Flash point: 61°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): Information not available

Relative density: 1.1g/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: information not available.

Materials to Avoid: heat, freezing, exposure to strong oxidizing agents

Hazardous Decomposition Products: may liberate CO, CO₂, nitrous oxides, ammonia and oxides of sulphur and sodium.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
ethylene glycol monobutyl ether	1300	220	450
sodium xylene sulphonate	7200	2000	Not available
sodium metasilicate pentahydrate	847	Not available	Not available
tetrasodium ethylene diamine tetraacetate	2000	Not available	1
alcohols, c9-11, ethoxylated	588	72000	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 corrosion.

Eye Contact: Causes serious eye damage.

Germ cell mutagenicity: Not applicable

Carcinogenicity: tetrasodium ethylene diamine tetraacetate contains 1% trisodium nitrilotriacetate, an IARC category 2B carcinogen

Reproductive toxicity: Not applicable

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 3258mg/kg

Dermal: LD50 1436mg/kg

Inhalation: LC50 21mg/L

READY TO USE/DILUTED Numerical measures of toxicity:

Oral: LD50 49136mg/kg

Dermal: LD50 45955mg/kg

Inhalation: LC50 670mg/L

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
ethylene glycol monobutyl ether	LC50 1474mg/L, 96h	Not available	Not available
sodium xylene sulphonate	LC50 >1000mg/L, 96h	EC50 >1000mg/L, 48h	EC50 230mg/kg, 72h
sodium metasilicate pentahydrate	LC50 530mg/L, 96h	LC50 >113mg/L, 48h	LC50 160mg/L, 96h
tetrasodium ethylene diamine tetraacetate	LC50 >500mg/L, 96h	EC50 >100mg/L, 48h	Not available
alcohols, c9-11, ethoxylated	LC50 1400mg/L, 96h	LC50 6460mg/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: Corrosive liquids, basic, Inorganic, n.o.s.

Hazard Class: 8

UN Number: UN3266

Packing Group: III

Note: No additional remark.

Marine Pollutant: None

DOT (US):

DOT Shipping Name: Corrosive liquids, basic, Inorganic, n.o.s.

DOT Hazardous Class: 8

DOT UN Number: UN3266

DOT Packing Group: III

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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