

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Zip Strip (#719)

Recommended use: Floor stripper

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.envioway.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

Flammable liquid	Category 4
Acute toxicity – Oral	Category 5
Skin corrosion/irritation	Category 1
Serious eye damage/irritation	Category 1
Skin sensitization	Category 1
Respiratory sensitization	Category 1

Signal word Danger



Hazard statements

Combustible liquid

May be harmful if swallowed.

Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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.
 Contaminated work clothing should not be allowed out of the workplace.
 Do not breathe fume/mist/vapours/spray.
 In case of inadequate ventilation, wear respiratory protection.

Response Immediately call a poison centre/doctor.
 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
 Call a POISON CENTRE/doctor if you feel unwell.
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 IF ON SKIN (or hair): Wash with plenty of soap and water. Take off immediately all contaminated clothing and wash 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.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 If experiencing respiratory symptoms: Call a POISON CENTRE/doctor.

Storage Store locked up. Store in a well-ventilated place. Keep cool.

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
Monoethanolamine	141-43-5	5-10
ethylene glycol monobutyl ether	111-76-2	1-5
Potassium hydroxide	1310-58-3	1-5
Tetrasodium Ethylene Diamine Tetraacetate	64-02-8	1-5
Sodium Xylene Sulfonate	1300-72-7	1-5
disodium metasilicate	6834-92-0	1-5
Sodium laureth sulfate	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: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Wash with plenty of soap and water. Take off immediately all contaminated clothing and wash 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.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.

SECTION 5: FIRE FIGHTING MEASURES

Flammable: Combustible liquid
Means of Extinction: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Flashpoint: Expected to be >65°C and < 93°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: Remove all the ignition sources. Recover free liquid. Ventilate the affected area. Wear protective equipment including rubber boots and rubber gloves. Always wear eye protection. For small spills or drips, wipe up and dispose off in DOT approved containers. For larger spills, contain by surrounding with soil or other non-combustible sorbent material and then pump into DOT approved waste containers. Or absorb with non-combustible sorbent material, place residue in DOT approved waste containers. Keep out of sewers, storm drains, surface waters and soils. Flush area with water after the material is absorbed. After dilution with water, the material can be neutralized.

SECTION 7: HANDLING AND STORAGE

Handling Procedures and Equipment: Handle in accordance with good industrial hygiene. Avoid contact with skin and eyes.

Storage Requirements: Store in normal room temperature and a well-ventilated place away from incompatible materials. Keep containers tightly closed when not in use. Wash thoroughly after handling.

*****KEEP OUT OF REACH OF CHILDREN*****

SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Monoethanolamine	3ppm/ 7.5mg/m ³ PEL	3ppm/ 7.5mg/m ³ PEL	Not available
ethylene glycol monobutyl ether	100mg/m ³ STEL	50ppm TWA	Not available
Potassium hydroxide	Not available	Not available	Not available
Tetrasodium Ethylene Diamine Tetraacetate	Not available	Not available	Not available
Sodium Xylene Sulfonate	Not available	Not available	Not available
disodium metasilicate	Not available	Not available	Not available
Sodium laureth sulfate	1000 ppm STEL	1900 mg/m ³ PEL	Not available

Gloves: Use rubber or plastic gloves.

Respirator: Use NIOSH/MSHA approved equipment (full face-pipe recommended) when air-borne exposure limits are exceeded. If used, full face pipe replaces need for face shield and chemical goggles. A respirator is not normally required if used under no vapours or mists.

Eye: Use chemical safety glasses if chances of splashes.

Clothing: Wear long sleeved shirt and trousers. Wear face shield and a chemical resistant apron that provides a barrier when splashing is likely. Launder contaminated clothing and clean protective equipment before reuse.

Other (Specify): Keep eye fountain and safety shower nearby.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Bright yellow liquid

Odour: mild chemical scent

Odour Threshold (ppm): Information not available

pH: 13.9

Freezing Point: Not available

Initial Boiling Point/Range: Not available

Flash point: Expected to be >65°C and < 93°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: Information not available

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: Avoid strong oxidizers, strong acids, halogenated solvents, open flames, welding arcs, or other high temperature sources.

Hazardous Decomposition Products: May liberate carbon dioxide, carbon monoxide or nitrogen oxides

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Monoethanolamine	1515	1025	>1212
ethylene glycol monobutyl ether	1300	220	450
Potassium hydroxide	622	Not available	Not available
Tetrasodium Ethylene Diamine Tetraacetate	Not available	Not available	Not available
Sodium Xylene Sulfonate	7200	2000	Not available
disodium metasilicate	1153	Not available	Not available
Sodium laureth sulfate	>2000	>2000	Not available

EFFECTS OF ACUTE EXPOSURE:

Skin Contact: Prolonged or repeated skin contact may cause irritation and redness as well as injury and skin damage. Absorption through skin may be toxic and may cause drowsiness.

Eye Contact: May cause redness and irritation in the eyes. Corneal injury is also possible and that may result in blindness. Skin sensitizer, may cause an allergic skin reaction

Inhalation: Vapours are irritating to the eyes, nose and throat, which can also irreversibly injure respiratory tissue. Respiratory sensitizer, may cause an allergic reaction.

Ingestion: Causes headaches, dizziness, nausea, vomiting, burning in mouth, stomach cramps, and diarrhoea.

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 5904 mg/kg

Dermal: LD50 8073 mg/kg

Inhalation: LC50 18500 mg/L

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Monoethanolamine	LC50 170 mg/L, 96h	EC50 33 mg/L, 48h	EC50 2.8 mg/L, 48h
ethylene glycol monobutyl ether	LC50 1474mg/L, 96h	Not available	Not available
Potassium hydroxide	LC50 80 mg/L, 24h	Not available	Not available
Tetrasodium Ethylene Diamine Tetraacetate	LC ₅₀ (Lepomis macrochirus): 41mg/L	Not available	EC ₅₀ (Scenedesmus subspicatus) 1.01mg/L
Sodium Xylene Sulfonate	LC50 >1000 mg/l, 96h	EC50 >40.3 mg/l, 48h	EC50 >230 mg/l, 96h
disodium metasilicate	LC50 2320mg/l, 96h	EC50 1700 mg/l, 48h	EC50 270 mg/l, 96h

Sodium laureth sulfate	LC50 2.3 mg/l, 96 hours	EC50 >13 ppm, 48 hours	EC50 > 6 ppm, 72 hours
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Persistence and Degradability: Expected to be >50% 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: Corrosive liquid, basic, inorganic, N.O.S., ethanalamine

Hazard Class: Class 8

UN Number: UN3267

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

California Proposition 65: This product does not contain any chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm at concentrations that trigger the warning requirements of California Proposition 65.

SECTION 16: OTHER INFORMATION

Disclaimer – Notice to Reader

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