

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: All purpose (#704)

Recommended use: Degreasing compound

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

Skin corrosion/irritation	Category 1
Serious eye damage/irritation	Category 1

Signal word Danger



Hazard statements

Causes severe skin burns and eye damage.

Precautionary statements

Prevention	Wash hands thoroughly after handling. Wear protective gloves, protective clothing, eye protection, and face protection. Do not breathe mists or spray.
Response	Immediately call a POISON CENTRE/doctor. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

Storage Store locked up.
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
Disodium metasilicate	6834-92-0	1-5
Tetrasodium EDTA	64-02-8	1-5
Glycol ether EB	111-76-2	1-5
Sodium Xylene Sulfonate	1300-72-7	1-5
Lauryl alcohol ethylene oxide	9002-92-0	<1

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: Wash with plenty of soap and water. Take off immediately all contaminated clothing and wash before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

IF exposed or concerned: Immediately call a POISON CENTRE/doctor.

SECTION 5: FIRE FIGHTING MEASURES

Flammable: No

Means of Extinction: Use water spray, dry chemical, CO₂ or alcohol foam.

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: Flush liquid to sewer with plenty of water if the spill is small. Large spills should be contained by diking with soil or other non-combustible absorbent material and then put into dot approved containers. A full face-pipe air purifying respirator equipped for organic vapours may be satisfactory in case of small spills.

SECTION 7: HANDLING AND STORAGE

Handling Procedures and Equipment: Avoid contact with skin and eyes. Wash affected skin and clothing with soap and water after use.

Storage Requirements: Store in a dry, well ventilated and cool place away from incompatible materials.

SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Disodium metasilicate	Not available	Not available	Not available
Tetrasodium EDTA	Not available	Not available	Not available
Glycol ether EB	TLV 20ppm/96mg/m ³	PEL 25ppm/120mg/m ³	Not available
Sodium Xylene Sulfonate	Not available	Not available	Not available
Lauryl alcohol ethylene oxide	Not available	Not available	Not available

Gloves: Chemical resistant gloves.

Respirator: NIOSH or MSHA approved self-contained breathing apparatus in high vapour concentrations. Not required under normal usage.

Eye: Safety glasses if handling large amounts and if there is significant probability of splashes.

Clothing: Rubber gloves, rubber apron and rubber boots.

Other (Specify): An eye wash and safety shower should be kept nearby in case of emergency.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Green liquid

Odour: Alkaline cleaner scent

Odour Threshold (ppm): OSHA (PEL) <100ppm

pH: 12

Freezing Point: Information not available

Initial Boiling Point/Range: ~89°C

Flash point: Information not available

Evaporation Rate: <2.88 (slow-medium rate)

Flammability: Not flammable

Upper/lower flammability/explosive limit: 1.82%/0.52%

Vapour Pressure (mmHg): 162mmHg @ 89°C

Vapour Density (air = 1): >1 (Heavier than air)

Relative density: 1.2

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: Strong acids, aluminium, strong oxidizing agents.

Hazardous Decomposition Products: Burning may liberate carbon monoxide, carbon dioxide, nitrous oxide, and ammonia

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Disodium metasilicate	1280	Not available	Not available
Tetrasodium EDTA	Not available	Not available	Not available
Glycol ether EB	880	1060	925
Sodium Xylene Sulfonate	7200	2000	Not available
Lauryl alcohol ethylene oxide	363	Not available	Not available

EFFECTS OF ACUTE EXPOSURE:

Ingestion: If large quantities are consumed it may cause nausea, vomiting, abdominal pain, chest pain and burns to mouth and esophagus.

Skin Contact: Causes severe skin burns.

Eye Contact: Causes serious eye damage.

Inhalation: Vapours are irritating to the eyes, nose and throat. May cause irreversible injury to respiratory tissues.

Germ cell mutagenicity: Not applicable

Carcinogenicity: Ethylene Glycol Monobutyl Ether is listed as an IARC Group 3 carcinogen: not classifiable as to its carcinogenicity in humans

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 14,751mg/kg

Dermal: LD50 19,643mg/kg

Inhalation: LC50 20,594mg/L

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Disodium metasilicate	LC ₅₀ (96h): 210mg/litre (Danio rerio)	EC ₅₀ (48h): 1700mg/L (Daphnia magna)	EC50 (72h): 207mg/L (Desmodesmus subspicatus)
Tetrasodium EDTA	LC ₅₀ (96h): >500 mg/L, Leuciscus idus	EC ₅₀ (48 h): > 100 mg/L	Not available

Glycol ether EB	LC ₅₀ (96h): 1490 mg/L (Lepomis macrochirus)	EC ₅₀ (24h): 1700mg/L (Daphnia magna)	EC ₅₀ : 720 mg/L (Pseudokirchnerella subcapitata)
Sodium Xylene Sulfonate	LC ₅₀ (96 h): >1000 mg/L	EC ₅₀ (48h): >40.3 mg/L (Daphnia)	EC ₅₀ (96h): >230 mg/L
Lauryl alcohol ethylene oxide	LC ₅₀ (96h):1400 µg/L	LC ₅₀ (48h): >6460 µg/L	Not available

Persistence and Degradability: Expected 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: Corrosive liquid, basic, inorganic, n.o.s. (Disodium metasilicate)

Hazard Class: Class 8

UN Number: III

Packing Group: Not Applicable.

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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