

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Blast (#219)

Recommended use: Degreaser and cleaner

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 thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Do not breathe dust or mists.

Response Immediately call a poison centre/doctor.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water or shower.

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.

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
Monoethanolamine	141-43-5	10-20
ethylene glycol monobutyl ether	111-76-2	1-5
Tetrasodium Ethylene Diamine Tetraacetate	64-02-8	1-5
Sodium Xylene Sulfonate	1300-72-7	1-5
Potassium hydroxide	1310-58-3	1-5
Disodium Metasilicate	6834-92-0	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

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

SECTION 5: FIRE FIGHTING MEASURES

Flammable: No

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

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 pumped into dot approved containers. A full face-pipe air-purifying respirator equipped for organic vapours maybe satisfactory in case of small spills.

SECTION 7: HANDLING AND STORAGE

Handling Procedures and Equipment: Use good industrial hygiene. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

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

***** KEEP AWAY FROM 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	20ppm (97mg/m ³) TLV	25ppm / 120mg/m ³ (skin) PEL	700ppm
Tetrasodium Ethylene Diamine Tetraacetate	Not available	Not available	Not available
Sodium Xylene Sulfonate	Not available	Not available	Not available
Potassium hydroxide	2 mg/m ³ TLV	2 mg/m ³ PEL	Not available
Disodium Metasilicate	Not available	Not available	Not available

Gloves: Chemical resistant gloves.

Respirator: NIOSH or MSHA approved self-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, boots and rubber apron.

Other (Specify): Footwear – Rubber boots. An eye wash and safety shower should be nearby.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red 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: Not available

Evaporation Rate: Information not available

Flammability: Not flammable

Upper/lower flammability/explosive limit: Information not available

Vapour Pressure (mmHg): Not available

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

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: Harsh chemical substances such as strong acids or oxidizing agents.

Hazardous Decomposition Products: Oxides, carbon monoxide and carbon dioxide in case of fire.

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	880	1060	925
Tetrasodium Ethylene Diamine Tetraacetate	Not listed	Not listed	Not listed
Sodium Xylene Sulfonate	7200	2000	Not listed
Potassium hydroxide	622	Not listed	Not listed
Disodium Metasilicate	1153	Not listed	Not listed

EFFECTS OF ACUTE EXPOSURE:

Ingestion: Ingestions of large amounts may cause nausea, headaches, vomiting and diarrhoea.

Skin Contact: Causes skin burns.

Eye Contact: Causes serious eye damage.

Inhalation: May cause coughing, headaches, vomiting or nausea.

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 5999 mg/kg

Dermal: LD50 6270 mg/kg

Inhalation: LC50 21,022 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	LC ₅₀ (Lepomis macrochirus): 1450mg/L	Not Established	Not Established

Tetrasodium Ethylene Diamine Tetraacetate	LC ₅₀ (Lepomis macrochirus): 41mg/L	Not Established	EC ₅₀ (Scenedesmus subspicatus) 1.01mg/L
Sodium Xylene Sulfonate	Not Established	Not Established	Not Established
Potassium hydroxide	LC ₅₀ (Gambusia affinis, 96hr): 80mg/L	LC ₅₀ (Ceriodaphnia dubia, 48hr): 40mg/L	EC ₅₀ (Algae, 120hr): 1337mg/L
Disodium Metasilicate	LC ₅₀ (Brachydanio rerio): 210mg/L	Not Established	Not Established

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 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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