

# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

**Product name:** Blast (#219)

**Recommended use:** Degreaser and cleaner

**Manufacturer:** EnviroWay Detergent Manufacturing Incorporated

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**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 mist, vapours or spray.

**Response** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing 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 INHALED: Remove person to fresh air and keep comfortable for breathing.

Immediately call a POISON CENTRE or doctor/physician.

**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	1-5
Ethylene glycol monobutyl ether	111-76-2	5-10
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. Immediately call a POISON CENTRE/doctor.

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

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

**IF exposed or concerned:** Immediately call a POISON CENTER or doctor/physician.

### 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 <sup>3</sup> PEL	3ppm/ 7.5mg/m <sup>3</sup> PEL	Not available
Ethylene glycol monobutyl ether	20ppm (97mg/m <sup>3</sup> ) TLV	25ppm / 120mg/m <sup>3</sup> (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 <sup>3</sup> TLV	2 mg/m <sup>3</sup> 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:** 13.1

**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:** May be harmful if swallowed. Causes headaches, dizziness, nausea, vomiting, burning in mouth, stomach cramps, and diarrhoea.

**Skin Contact:** Causes skin irritation.

**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 5,999 mg/kg

**Dermal:** LD50 6,270 mg/kg

**Inhalation:** LC50 21,022 mg/L

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Monoethanolamine	LC <sub>50</sub> (96h): 170 mg/L	EC <sub>50</sub> (48h): 33 mg/L	EC <sub>50</sub> (48h): 2.8 mg/L

Ethylene glycol monobutyl ether	LC <sub>50</sub> : 1450mg/L (Lepomis macrochirus)	Not Established	Not Established
Tetrasodium ethylene diamine tetraacetate	LC <sub>50</sub> : 41mg/L (Lepomis macrochirus)	Not Established	EC <sub>50</sub> : 1.01mg/L (Scenedesmus subspicatus)
Sodium xylene sulfonate	Not Established	Not Established	Not Established
Potassium hydroxide	LC <sub>50</sub> (96h): 80mg/L (Gambusia affinis)	LC <sub>50</sub> (48h): 40 mg/L (Ceriodaphnia dubia)	EC <sub>50</sub> (120h): 1337 mg/L
Disodium metasilicate	LC <sub>50</sub> : 210 mg/L (Brachydanio rerio)	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 liquid, basic, inorganic, n.o.s. (Potassium hydroxide)

**Hazard Class:** Class 8

**UN Number:** UN3266

**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

## SECTION 16: OTHER INFORMATION

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