

# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

**Product name:** Heavy Duty Car & Truck Wash (#203)

**Recommended use:** Powder for industrial or commercial car & truck wash applications.

**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](http://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

Acute toxicity – oral

Category 5

Skin corrosion/irritation

Category 2

Eye damage/irritation

Category 1

**Signal word**     Danger



#### Hazard statements

May be harmful if swallowed.

Causes skin irritation.

Causes serious eye damage.

#### Precautionary statements

**Prevention**     Wash hands thoroughly after handling.

Wear protective gloves, eye protection and face protection.

**Response**     Call a POISON CENTER/doctor if you feel unwell.

IF ON SKIN (or hair): Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

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 POISON CENTRE/doctor.

## SECTION 3: COMPOSITION

The following ingredients have hazardous properties:

Ingredient	CAS #	% by weight
Sodium carbonate	497-19-8	40-50
Alcohols, C12-16 ethoxylate	68551-12-2	5-10
Disodium metasilicate	6834-92-0	3-8
Glycol ether EB	111-76-2	1-5
Sodium, C10-16 benzenesulfonate	68081-81-2	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 with water. If discomfort occurs, seek medical attention.

**IF ON SKIN (or hair):** Wash with plenty of water. If skin irritation occurs, seek medical attention. 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. Immediately call a POISON CENTRE/doctor.

**IF INHALED:** Remove victim to fresh air and keep comfortable for breathing.

**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 or dry chemical.

**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 surrounding with soil or other non-combustible absorbent material and then pump into dot approved containers. A full face pipe air purifying cartridge respirator equipped for organic vapours may be satisfactory in case of small spills and self-contained breathing apparatus in the pressure demand mode should be used in case of large spills.

## 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 locked up and in original container. Store in a dry, well ventilated and cool place away from incompatible materials. Avoid contact with skin and eyes. Wash affected skin and clothing with soap and water after use.

## SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Sodium carbonate	Not available	Not available	Not available
Alcohols, C12-16 ethoxylate	Not available	Not available	Not available
Disodium metasilicate	Not available	Not available	Not available
Glycol ether EB	TLV 20ppm / 96mg/m <sup>3</sup>	PEL 25ppm / 120mg/m <sup>3</sup> (skin)	Not available
Sodium, C10-16 benzenesulfonate	Not available	Not available	Not available

**Gloves:** Butyl rubber gloves (CCOHS)

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

**Eye:** Safety glasses should be worn while product is being handled.

**Clothing:** Rubber gloves, rubber apron, rubber boots

**Other (Specify):** An eyewash and shower should be available nearby.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Yellow powder

**Odour:** Mild chemical scent

**Odour Threshold (ppm):** Information not available

**pH:** 11-11.5

**Freezing Point:** Information not available

**Initial Boiling Point/Range:** Information 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):** 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:** Open flames, welding arcs, or other high temperature sources which may induce thermal decomposition.

**Hazardous Decomposition Products:** May liberate carbon dioxide, carbon monoxide and/or oxides of nitrogen.

## SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Sodium carbonate	2800	>2000	1.2
Alcohols, C12-16 ethoxylate	>1700	Not available	Not available
Disodium metasilicate	1280	Not available	Not available
Glycol ether EB	470	400	486
Sodium, C10-16 benzenesulfonate	1080	>2000	Not available

### EFFECTS OF ACUTE EXPOSURE:

**Ingestion:** May be harmful if swallowed.

**Skin Contact:** Causes skin irritation.

**Eye Contact:** Causes serious eye damage.

**Inhalation:** Formation of dust can cause irritation to the upper respiratory tract.

**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 3,245 mg/kg

**Dermal:** LD50 35,333 mg/kg

**Inhalation:** LC50 30,833 mg/L

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Sodium carbonate	LC <sub>50</sub> (96h): 300mg/L (Lepomis macrochirus)	EC <sub>50</sub> (48h): 200- 227mg/L (Ceriodaphnia)	Not available

Alcohols, C12-16 ethoxylate	LC <sub>50</sub> (96h): 2.6-2.9mg/L	EC <sub>50</sub> (48hr) 1.2-2.7mg/L (Daphnia magna)	EC <sub>50</sub> : 0.64-1.3mg/L
Disodium metasilicate	LC <sub>50</sub> (96h): 210mg/L (Danio rerio)	EC <sub>50</sub> (48h): 1700mg/L (Daphnia magna)	EC <sub>50</sub> (72h): 207mg/L (Desmodesmus subspicatus)
Glycol ether EB	LC <sub>50</sub> (96h): 1490 mg/L (Lepomis macrochirus)	EC <sub>50</sub> (24h): 1700mg/L (Daphnia magna)	EC <sub>50</sub> : 720 mg/L (Pseudokirchnerella subcapitata)
Sodium, C10-16 benzenesulfonate	LC <sub>50</sub> (96h): 3 mg/L	EC <sub>50</sub> (48h): 1.62 - 9.3 mg/L (Daphnia)	EC <sub>50</sub> (72h): 29 mg/L

**Persistence and Degradability:** Expected to be readily biodegradable.

**Bioaccumulation/Accumulation:** No information available.

**Mobility:** No information available.

**Other adverse effects:** None known

## 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:** Not regulated

**Hazard Class:** Not regulated

**UN Number:** Not regulated

**Packing Group:** Not regulated

**Note:** No additional remark

**Marine Pollutant:** None

## SECTION 15: REGULATORY INFORMATION

**US TSCA Inventory Status:** All ingredients of this product are either on the Toxic Substance Control Act (TSCA) Inventory List or exempt.

**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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