

# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

**Product name:** Red Marvel (#309)

**Recommended use:** Porcelain 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.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

### Hazard classification

Acute toxicity (oral)	Category 5
Skin corrosion/irritation	Category 2
Serious eye damage/irritation	Category 1
Skin sensitization	Category 1

**Signal word**    Danger



### Hazard statements

May be harmful if swallowed.  
Causes skin irritation.  
Causes serious eye damage.  
May cause an allergic skin reaction.

### Precautionary statements

**Prevention**    Wash thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Contaminated work clothing should not be allowed out of the workplace.  
Avoid breathing fume/mist/vapours/spray.

- Response** IF ON SKIN: Wash with plenty of soap and water. Take off 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. Immediately call a POISON CENTRE/doctor. Call a POISON CENTRE/doctor if you feel unwell.
- 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
Lauryl alcohol ethylene oxide	9002-92-0	20-30
sodium c10-16 benzenesulfonate	68081-81-2	5-10
Urea, Monohydrochloride	506-89-8	1-5
Sodium hydroxide	1310-73-2	1-5
Citric Acid	77-92-9	1-5
Sodium xylene sulfonate	1300-72-7	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:** Call a POISON CENTRE/doctor if you feel unwell.
- IF ON SKIN:** Wash with plenty of soap and water. Take off 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. Immediately call a POISON CENTRE/doctor.
- 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:** Small spill – flush with water down drain. Large spill – contain with sand dikes

## SECTION 7: HANDLING AND STORAGE

- Handling Procedures and Equipment:** Keep containers tightly closed when not in use. Do not pressure empty containers. Wash thoroughly after handling.

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

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

## SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Lauryl alcohol ethylene oxide	Not available	Not available	Not available
sodium c10-16 benzenesulfonate	Not available	Not available	Not available
Urea, Monohydrochloride	Not available	Not available	Not available
Sodium hydroxide	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	
Citric Acid	Not available	Not available	Not available
Sodium xylene sulfonate	Not available	Not available	Not available

**Gloves:** wear protective gloves

**Respirator:** not required for regular use

**Eye:** Where there is potential for eye contact, wear chemical goggles and have eye-flushing equipment immediately available.

**Footwear:** not required for regular use

**Clothing:** wear protective clothing

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** red liquid

**Odour:** mild floral scent

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

**pH:** 1

**Freezing Point:** Information not available

**Initial Boiling Point/Range:** Information not available

**Flash point:** Information 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:** Miscible

**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

**Incompatibility with Other Substances:** Yes

**Reactivity:** Non-flammable but will burn on prolonged exposure to flame or high temperature.

Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminum, tin, lead and zinc. The product may react with alkalis.

**Materials to Avoid:** Avoid strong alkalis and strong oxidizers. Avoid prolonged contact with metals.  
**Hazardous Decomposition Products:** May release carbon monoxide, carbon dioxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Lauryl alcohol ethylene oxide	4150	72000	8600
sodium c10-16 benzenesulfonate	1080	>2000	Not available
Urea, Monohydrochloride	1121	Not available	Not available
Sodium hydroxide	400	1350	Not available
Citric Acid	3000	Not available	Not available
Sodium xylene sulfonate	7200	2000	Not available

### EFFECTS OF ACUTE EXPOSURE:

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

**Skin Contact:** Causes skin irritation. May cause an allergic skin reaction.

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

**Inhalation:** May cause irritation of respiratory tract.

**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 3761 mg/kg

**Dermal:** LD50 40,773 mg/kg

**Inhalation:** LC50 169 mg/L

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Lauryl alcohol ethylene oxide	LC50 1400mg/L, 96h	LC50 6460mg/L, 48h	Not available

sodium c10-16 benzenesulfonate	LC50 3 mg/l, 96 hours	EC50 1.62 - 9.3 mg/l, 48 hours	EC50 29 mg/l, 72 hours
Urea, Monohydrochloride	Not available	Not available	Not available
Sodium hydroxide	Ceiling: 2 mg/m3	TWA: 2 mg/m3	Not available
Citric Acid	LC <sub>50</sub> : 440-706mg/L, 96h	Not available	Not available
Sodium Xylene Sulfonate	LC50 >1000 mg/l, 96h	EC50 >40.3 mg/l, 48h	EC50 >230 mg/l, 96h

**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:** Not Regulated

**Hazard Class:** Not Applicable.

**UN Number:** Not Applicable.

**Packing Group:** Not Applicable.

**Note:** No additional remark.

**Marine Pollutant:** None

#### DOT (US):

**DOT Shipping Name:** Not Regulated.

**DOT Hazardous Class:** Not Applicable.

**DOT UN Number:** Not Applicable.

**DOT Packing Group:** Not Applicable.

**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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