

# Material Safety Data Sheet

## Foaming Restroom & Shower Cleaner

### 1. Product and company identification

<b>Product name</b>	Foaming Restroom & Shower Cleaner	<b>In case of emergency</b>	1-800-843-6174
<b>Code</b>	605RR	<b>Validation date</b>	11/8/2011.
<b>Material uses</b>	Restroom foam cleaner	<b>Print date</b>	11/8/2011.
<b>Manufacturer</b>	Essential Industries, Inc. P.O. Box 12 Merton, WI 53056-0012 Phone: 262-538-1122	<b>Responsible name</b>	Regulatory Affairs Department

#### Hazardous Material Information System (U.S.A.)

Health	3	<b>HAZARD RATING</b>
Flammability	0	4 = Extreme
Physical hazards	0	3 = High
Personal protection	B	2 = Moderate
		1 = Slight
		0 = Insignificant

A = Goggles B = Goggles & Gloves C = Goggles, Gloves & Apron

### 2. Hazards identification

**Emergency overview** WARNING!  
MAY BE HARMFUL IF SWALLOWED. CORROSIVE TO EYES AND SKIN.  
May be harmful if swallowed. Do not ingest. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

#### Potential acute health effects due to overexposure

**Inhalation** Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Ingestion** Harmful if swallowed.

**Skin** Corrosive to the skin. May cause severe burns.

**Eyes** Corrosive to eyes. May cause severe burns.

#### Potential chronic health effects due to overexposure

**Carcinogenicity** No known significant effects or critical hazards.

**Mutagenicity** No known significant effects or critical hazards.

**Teratogenicity** No known significant effects or critical hazards.

**Developmental effects** No known significant effects or critical hazards.

**Fertility effects** No known significant effects or critical hazards.

See toxicological information (section 8)

### 3. Composition/information on ingredients

Name	CAS number	%
CITRIC ACID	77-92-9	5 - 10
Benzenesulfonic acid, C10-16-alkyl derivs.	68584-22-5	5 - 10
Phosphoric acid	7664-38-2	5 - 10
2-(2-ethoxyethoxy)ethanol	111-90-0	1 - 5
sulphamic acid	5329-14-6	1 - 5

#### SARA 313 (Form R - Reporting requirements)

Product name	CAS number	Concentration
2-(2-ethoxyethoxy)ethanol	111-90-0	4.2

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

#### California Prop. 65

**WARNING:** This product contains less than 0.1% of a chemical known to the State of California to cause cancer.

Ingredient name	Cancer	Reproductive	No significant risk level	Max acceptable dosage
sulphuric acid	Yes.	No.	No.	No.

### 4. First aid measures

**Eye contact** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

**Skin contact** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

**Inhalation** Move exposed person to fresh air. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

**Ingestion** Wash out mouth with water. Get medical attention immediately.

## 4. First aid measures

**Protection of first-aiders** No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

**Notes to physician** In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

## 5. Fire-fighting measures

**Flammability of the product** In a fire or if heated, a pressure increase will occur and the container may burst.

### Extinguishing media

**Suitable** Use an extinguishing agent suitable for the surrounding fire.

**Special exposure hazards** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Hazardous thermal decomposition products** Decomposition products may include the following materials:

carbon dioxide  
carbon monoxide  
nitrogen oxides  
sulfur oxides  
phosphorus oxides

**Special protective equipment for fire-fighters** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**Flash point** Closed cup: Not applicable

## 6. Control and preventive measures

**Storage** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Ingredient	Exposure limits
Phosphoric acid	<b>OSHA PEL (United States, 6/2010).</b> TWA: 1 mg/m <sup>3</sup> 8 hour(s). <b>ACGIH TLV (United States, 2/2010).</b> TWA: 1 mg/m <sup>3</sup> 8 hour(s). STEL: 3 mg/m <sup>3</sup> 15 minute(s). <b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 1 mg/m <sup>3</sup> 8 hour(s). STEL: 3 mg/m <sup>3</sup> 15 minute(s). <b>NIOSH REL (United States, 6/2009).</b> TWA: 1 mg/m <sup>3</sup> 10 hour(s). STEL: 3 mg/m <sup>3</sup> 15 minute(s).
2-(2-ethoxyethoxy)ethanol	<b>AIHA WEEL (United States, 5/2010).</b> TWA: 25 ppm 8 hour(s).

### Personal protection

**Respiratory** None required. However, use of adequate ventilation is good industrial practice.

**Hands** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Skin** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Eyes** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

### Methods for cleaning up

**Small spill** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Waste disposal** Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

## 7. Physical and chemical properties

<b>Physical state</b>	Liquid	<b>Boiling/condensation point</b>	100°C (212°F)
<b>Color</b>	Various	<b>Melting/freezing point</b>	0°C (32°F)
<b>Odor</b>	Lime	<b>Vapor pressure</b>	<4 kPa (<30 mm Hg) [20°C]
<b>VOC</b>	4.4%	<b>Vapor density</b>	<1 [Air = 1]
<b>pH</b>	1.1 to 1.5	<b>Weight per Gallon:</b>	9.00 lbs./gal.
<b>1% pH:</b>	2.5	<b>Specific Gravity:</b>	1.08 gm/ml
<b>Solubility</b>	Complete		

## 8. Toxicological information

### Acute toxicity

#### Product/ingredient name

Product/ingredient name	Result	Species	Dose	Exposure
CITRIC ACID	LD Intraperitoneal	Rat	382 mg/kg	-
	LD Oral	Rat	8300 mg/kg	-
	LD50 Intraperitoneal	Rat	290 mg/kg	-
	LD50 Oral	Rat	3 g/kg	-
	LD50 Oral	Rat	11700 mg/kg	-
	LD50 Subcutaneous	Rat	5500 mg/kg	-
Benzenesulfonic acid, C10-16-alkyl derivs.	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Oral	Rat	775 mg/kg	-
2-(2-ethoxyethoxy)ethanol	LD50 Oral	Rat	7500 mg/kg	-
sulphamidic acid	LD50 Oral	Rat	3160 mg/kg	-
	LDLo Intraperitoneal	Rat	100 mg/kg	-
Phosphoric acid	LD50 Oral	Rat	1.25 g/kg	-

**Conclusion/Summary** Not available

### Chronic toxicity

**Conclusion/Summary** Not available

## 9. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	Not regulated	-	-	-	-	-

PG\* : Packing group