SAFETY DATA SHEET



Section 1. Identification

GHS product identifier	: #58 Foaming Restroom and Shower Cleaner
Product code	: 605SC
Other means of identification	: Not available
Product type	: Liquid

Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Restroom Cleaner

Uses advised against

All uses other than those indicated on the product label and technical data sheet.

Supplier's details	: Essential Industries, Inc. P.O. Box 12 Merton, WI 53056-0012 Phone: 262-538-1122
Emergency telephone number (with hours of operation)	: 800-843-6174 (24 Hours)

Section 2. Hazards identification

OSHA/HCS status	 This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 1
<u>GHS label elements</u> Hazard pictograms	:



Date of issue/Date of revision	: 8/16/2021	Date of previous issue	: 8/16/2021	Version	:0.02	1/11
Storage	: Store lock	xed up.				
Response	Immediate POISON hair): Tak Immediate reuse. IF	ED: Remove person to fre ely call a POISON CENTE CENTER or doctor. Rinse e off immediately all conta ely call a POISON CENTE IN EYES: Rinse cautiousl present and easy to do. Co or doctor.	R or doctor. IF SWAL mouth. Do NOT indu minated clothing. Rins R or doctor. Wash co y with water for severa	LOWED: Imm ce vomiting. I se skin with wa intaminated cla al minutes. Re	nediately cal F ON SKIN ater. othing befor move conta	(or e
Prevention	: Wear prot after hand	tective gloves, protective c Iling.	lothing and eye or fac	e protection.	Wash thorou	lghly
General		el before use. Keep out of luct container or label at h		nedical advice	is needed,	
Precautionary statements						
Hazard statements	: Causes s	evere skin burns and eye	damage.			
Signal word	: Danger					

Section 2. Hazards identification

Disposal

: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified

Section 3. Composition/information on ingredients

: None known.

Substance/mixture

: Mixture

Ingredient name	%	CAS number
citric acid	≤8.1	77-92-9
Benzenesulfonic acid, C10-16-alkyl derivs.	≤7.9	68584-22-5
Phosphoric acid, solid	≤7.1	7664-38-2
2-(2-ethoxyethoxy)ethanol	≤5	111-90-0
sulphamidic acid	≤4	5329-14-6

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
Inhalation	: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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.
Skin contact	: Get medical attention immediately. Call a poison center or physician. Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Most important symptoms/effo	
Potential acute health effects	

Eye contact : Causes serious eye damage.

Section 4. First aid measures

Inhalation	 May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact	: Causes severe burns.
Ingestion	: May cause burns to mouth, throat and stomach.
Over-exposure signs/sym	<u>otoms</u>
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains
Indication of immediate me	dical attention and special treatment needed, if necessary
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.
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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.

Section 5. Fire-fig	nting measures
Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.
Specific hazards arising from the chemical	: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides phosphorus oxides
Special protective actions for fire-fighters	 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.
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.

See toxicological information (Section 11)

Section 5 Fire-fighting measures

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures		
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.	
For emergency responders	: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".	
Environmental precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).	
Methods and materials for co	ntainment and 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.	
Large spill	: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.	

Section 7. Handling and storage

Precautions for safe handling	
Protective measures	: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	: 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. Store locked up. 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. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name		Exposure limi	ts
citric acid Benzenesulfonic acid, C10- Phosphoric acid, solid 2-(2-ethoxyethoxy)ethanol	-16-alkyl derivs.	TWA: 1 mg/m STEL: 3 mg/m OSHA PEL 198 TWA: 1 mg/m STEL: 3 mg/m NIOSH REL (U TWA: 1 mg/m STEL: 3 mg/m OSHA PEL (Ur TWA: 1 mg/m	 ^a 15 minutes. 39 (United States, 3/1989). ^a 8 hours. ^a 15 minutes. nited States, 10/2016). ^a 10 hours. ^a 15 minutes. hited States, 5/2018).
sulphamidic acid		TWA: 25 ppm None.	8 hours.
Appropriate engineering controls Environmental exposure	local exhaust ventilat airborne contaminant : Emissions from venti	nerate dust, fumes, gas, vapor or m tion or other engineering controls to ts below any recommended or statu ilation or work process equipment s	keep worker exposure to itory limits. hould be checked to ensure
controls	they comply with the cases, fume scrubbe	requirements of environmental prot ers, filters or engineering modificatio reduce emissions to acceptable leve	ection legislation. In some ns to the process equipment
Individual protection meas	<u>ures</u>		
Hygiene measures	eating, smoking and Appropriate techniqu Wash contaminated	ns and face thoroughly after handlin using the lavatory and at the end of es should be used to remove poten clothing before reusing. Ensure tha the workstation location.	the working period. tially contaminated clothing.
Eye/face protection	assessment indicates gases or dusts. If co the assessment indic	olying with an approved standard sh s this is necessary to avoid exposur intact is possible, the following prote cates a higher degree of protection: alation hazards exist, a full-face resp	e to liquid splashes, mists, ection should be worn, unless chemical splash goggles and/
Skin protection			
Hand protection	worn at all times whe necessary. Consider during use that the gl noted that the time to glove manufacturers.	mpervious gloves complying with an en handling chemical products if a ris- ring the parameters specified by the loves are still retaining their protection b breakthrough for any glove materia . In the case of mixtures, consisting e gloves cannot be accurately estimation	sk assessment indicates this is glove manufacturer, check ve properties. It should be al may be different for different of several substances, the
Body protection		equipment for the body should be se sks involved and should be approve 	
Other skin protection		and any additional skin protection r ing performed and the risks involve dling this product.	
Respiratory protection	appropriate standard	and potential for exposure, select a or certification. Respirators must b program to ensure proper fitting, tr	e used according to a
Date of issue/Date of revision	: 8/16/2021 Date of p	previous issue : 8/16/2021	Version : 0.02 5/11

Section 9. Physical and chemical properties

Appearance

Physical state	1	Liquid
Color	:	Red
Odor	1	Lime
Odor threshold	1	Not available
рН	1	1.1 to 1.5
Melting point	1	0°C (32°F)
Boiling point	:	100°C (212°F)
Flash point	1	Closed cup: >93.334°C (>200°F)
Evaporation rate	1	Not available
Flammability (solid, gas)	1	Not available
Lower and upper explosive (flammable) limits	:	Not available
Vapor pressure	1	<4 kPa (<30 mm Hg) [room temperature]
Vapor density	1	<1 [Air = 1]
Relative density	1	1.08 g/cm ³
Solubility	1	Not available
Partition coefficient: n- octanol/water	:	Not available
Auto-ignition temperature	1	Not available
Decomposition temperature	1	Not available
Viscosity	1	Not available
VOC content	1	4.4%

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air. Reactive or incompatible with the following materials: alkalis
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects Acute toxicity

6/11

Section 11. Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
citric acid	LD50 Oral	Rat	3 g/kg	-
Benzenesulfonic acid,	LD50 Dermal	Rabbit	2000 mg/kg	-
C10-16-alkyl derivs.				
	LD50 Oral	Rat	775 mg/kg	-
Phosphoric acid, solid	LD50 Oral	Rat	1.25 g/kg	-
2-(2-ethoxyethoxy)ethanol	LD50 Oral	Rat	7500 mg/kg	-
sulphamidic acid	LD50 Oral	Rat	3160 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
citric acid	Eyes - Severe irritant	Rabbit	-	24 hours 750	-
				ug	
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				mg	
	Skin - Moderate irritant	Rabbit	-	0.5 MI	-
2-(2-ethoxyethoxy)ethanol	Eyes - Mild irritant	Rabbit	-	125 mg	-
	Eyes - Moderate irritant	Rabbit	-	500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				mg	
sulphamidic acid	Eyes - Moderate irritant	Rabbit	-	20 mg	-
	Eyes - Severe irritant	Rabbit	-	24 hours 250	-
				ug	
	Skin - Mild irritant	Human	-	120 hours 4	-
				% I	
	Skin - Severe irritant	Rabbit	-	24 hours 500	-
				mg	

Sensitization

Not available

Mutagenicity

Not available

Carcinogenicity

Not available

Reproductive toxicity

Not available

Teratogenicity

Not available

Specific target organ toxicity (single exposure)

Not available

Specific target organ toxicity (repeated exposure)

Not available

Aspiration hazard

Not available

Information on the likely : Not available routes of exposure

Potential acute health effe Eye contact		erious eye damage.		
Inhalation	system.	May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.		
Skin contact	: Causes s	severe burns.		
Date of issue/Date of revision	: 8/16/2021	Date of previous issue	: 8/16/2021	Version : 0.02

7/11

Section 11. Toxicological information

	5
Ingestion	: May cause burns to mouth, throat and stomach.
Symptoms related to the phy	vsical, chemical and toxicological characteristics
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains
Short term exposure Potential immediate effects	cts and also chronic effects from short and long term exposure : Not available
effects	
Potential delayed effects	: Not available
Long term exposure Potential immediate effects	: Not available
Potential delayed effects	: Not available
Potential chronic health eff	<u>ects</u>
Not available	
General	: No known significant effects or critical hazards.
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.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	6821.73 mg/kg
Dermal	28029.83 mg/kg

Section 12. Ecological information

Toxicity				
Product/ingredient name	Result	Species	Exposure	
citric acid	Acute LC50 160000 µg/l Marine water	Crustaceans - Carcinus maenas - Adult	48 hours	
Benzenesulfonic acid, C10-16-alkyl derivs.	Acute EC50 5.65 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours	
Phosphoric acid, solid	Acute EC50 105 ppm Fresh water Acute LC50 60 ppm Fresh water	Daphnia - Daphnia magna Fish - Lepomis macrochirus	48 hours 96 hours	
2-(2-ethoxyethoxy)ethanol	Acute LC50 3340000 μg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours	
Date of issue/Date of revision	: 8/16/2021 Date of previous issue	: 8/16/2021 Version : 0	.02 8/	

Section 12. Ecological information

	Acute LC50 6010000 µg/l Fresh water	Fish - Ictalurus punctatus	96 hours
sulphamidic acid	Acute LC50 14200 μg/l Fresh water	Fish - Pimephales promelas	96 hours

Persistence and degradability

Not available

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
citric acid	-1.8		low
2-(2-ethoxyethoxy)ethanol	-0.54		low
sulphamidic acid	0.101		low

Mobility in soil

Soil/water partition	: Not available
coefficient (Koc)	

Other adverse effects	: No known significant effects or critical hazards.
-----------------------	---

Section 13. Disposal considerations

Section 14. Transport information

	DOT Classification	IMDG	ΙΑΤΑ
UN number	UN1760	UN1760	UN1760
UN proper shipping name	Corrosive liquid, n.o.s. (Phosphoric acid, Sulfamic acid)	Corrosive liquid, n.o.s. (Phosphoric acid, Sulfamic acid)	Corrosive liquid, n.o.s. (Phosphoric acid, Sulfamic acid)
Transport hazard class(es)	8	8	8
Packing group	Ш	Ш	111
Environmental hazards	No.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Additional inform	ation	•	
IMDG	: The marine pollutant mark is not required when transported in sizes of \leq 5 L or \leq 5 kg.		
ΙΑΤΑ	 The environmentally hazardous substance mark may appear if required by other transportation regulations. 		

Section 14. Transport information

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not available to IMO instruments

Section 15. Regulatory information

U.S. Federal regulations

Clean Air Act Section 112	: Listed
(b) Hazardous Air	
Pollutants (HAPs)	
SARA 311/312	
Classification	: SKIN COR

: SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 1

Composition/information on ingredients

Name	%	Classification
citric acid	≤8.1	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A
Benzenesulfonic acid, C10-16-alkyl derivs.	≤7.9	ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4
Phosphoric acid, solid	≤7.1	ACUTE TOXICITY (oral) - Category 4
2-(2-ethoxyethoxy)ethanol	≤5	EYE IRRITATION - Category 2A
sulphamidic acid	≤4	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	2-(2-ethoxyethoxy)ethanol	111-90-0	≤5

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

Inventory list

CANADA INVENTORY (DSL)	: All components are listed or exempted.
United States inventory (TSCA 8b)	: All components are active or exempted.

Section 16. Other information

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



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Section 16. Other information

National Fire Protection Association (U.S.A.)



Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

	Classification	Justification
SKIN CORROSION - Categ SERIOUS EYE DAMAGE -		On basis of test data On basis of test data
History		
Date of printing	: 8/16/2021	
Date of issue/Date of revision	: 8/16/2021	
Date of previous issue	: 8/16/2021	
Version	: 0.02	
Key to abbreviations	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations	
References	Not available	

✓ Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.