



Date Created: 08/10/2016

Date Revised: 02/11/2020

Revision #: 10

## SAFETY DATA SHEET

## Bar Keepers Friend Toilet Bowl Cleaner

### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

*Product Identifier:* Bar Keepers Friend Toilet Bowl Cleaner

*Formula Number:* 14001007

*Product Code(s):* 11785

*Product Description:* Viscous liquid with a blue color and wintergreen odor

*Recommended Use:* Toilet and urinal cleaner

*Manufactured For:* Servaas Laboratories Inc.

*Address:* 5240 Walt Place

Indianapolis, Indiana 46254

*Phone:* (317)-636-7760

*National Poison Control Center:* (800)-222-1222

### SECTION 2 – HAZARDS IDENTIFICATION

#### **HAZARD CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910.1200(d)**

*Acute Toxicity (oral):* Category 4

*Serious Eye Damage/Eye Irritation:* Category 1

*Skin Corrosion/Irritation:* Category 1B

*Corrosive to Metals:* Category 1

#### **LABEL CONTENT IN ACCORDANCE WITH 29 CFR 1910.1200(f)**

*Hazard Pictogram(s):*



*Signal Word(s):* Danger

*Hazard Statement(s):* Harmful if swallowed

Causes serious eye damage

Causes severe skin burns and eye damage

May be corrosive to metals

*Precautionary Statement(s):* General: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label available.

Prevention: Keep only in original packaging. Wear protective gloves and eye or face protection. Do not breathe mist. Wash hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.

Response: Absorb spillage to prevent material damage. IF SWALLOWED: Rinse mouth. Do not induce vomiting. Immediately call a doctor or poison control center. IF IN EYE(S): Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a doctor or poison control center. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a doctor or poison control center. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor or poison control center.

Storage: Store locked up. Transport and store in an upright position and in the original container.



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**Disposal:** Dispose of in accordance with all applicable federal, state and local regulations.

Do not reuse empty containers – flush with water and place in appropriate trash or recycling receptacle.

*Supplemental Label Element(s):* None known

*Hazard(s) Not Otherwise Classified:* None known

### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Hazardous Ingredient</u>	<u>Common Name(s) / Synonyms</u>	<u>CAS #</u>	<u>Weight %</u>
Hydrogen Chloride	Hydrochloric Acid, Muriatic Acid, Spirit of Salts	7647-01-0	5-10%
Amines, Tallow Alkyl, Ethoxylated	Tallow Alkyl Amines Ethoxylated	61791-26-2	<2.0%

This product contains no known carcinogens present at or above de minimus level

### SECTION 4 – FIRST AID MEASURES

*Eye Contact:* Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a doctor or poison control center.

*Skin Contact:* Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a doctor or poison control center.

*Ingestion:* Rinse mouth. Do not induce vomiting. Immediately call a doctor or poison control center.

*Inhalation:* Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor or poison control center.

*Signs and symptoms of exposure:* Ingestion: causes severe burns of mouth, throat, esophagus and stomach – symptoms include nausea, vomiting, diarrhea, and possibly death

Eye Contact: causes severe burns to eye tissues that may result in eye damage or blindness

Skin Contact: depending on exposure, varies from irritation to severe skin damage including dermatitis, redness, swelling, pain, blistering, or scarring

Inhalation: depending on exposure, varies from irritation of the nose and throat to difficulty breathing, shortness of breath, pulmonary edema, or dental erosion

*Notes to physician:* Contains hydrochloric acid, a strong mineral acid solution that is highly corrosive to tissues, including mucous membranes

### SECTION 5 – FIRE FIGHTING MEASURES

*Extinguishing media:* Foam, carbon dioxide, dry chemical – direct water spray may spread fire

*Specific hazards during fire-fighting:* This product is not combustible, but containers may rupture in a fire situation.

Violent steam generation may occur upon application of direct water stream to hot liquids. Thermal decomposition or burning may produce noxious and/or toxic fumes including oxides of carbon and nitrogen. Incomplete combustion may form carbon monoxide. Evacuate downwind personnel

*Special protective equipment for firefighters:* Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire-fighting clothing. If protective equipment is not available or not used, fight fire from a protected location or safe distance

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

*Spill response:* Do not touch or walk through spilled material. Stop leak(s) only if you can do so without risk. Prevent release into waterways, sewers, basements or confined areas. Dilute the spilled material with water. Flush spill area with water and cover with sodium bicarbonate and transfer waste to labeled containers



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*Other precautions:* Evacuate personnel and ventilate area around spill. Keep personnel upwind of spill. Only trained and properly protected personnel must be involved in clean-up operations. Use appropriate safety equipment

### SECTION 7 – HANDLING AND STORAGE

Keep out of reach of children and pets. Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Do not ingest. Do not mix with other household chemicals, as hazardous gases could be released. Keep container closed when not in use and store in a cool, dry place. Do not reuse empty container. Do not expose product to extreme hot or cold temperatures

### SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### *Exposure Limits*

<u>Component</u>	<u>List</u>	<u>Type</u>	<u>Value</u>
Hydrogen Chloride	OSHA	PEL	7 mg/m <sup>3</sup>
	OSHA	PEL	5 ppm
	ACGIH	TLV	2 ppm
	NIOSH	REL	7 mg/m <sup>3</sup>
	NIOSH	REL	5 ppm
Amines, tallow alkyl, ethoxylated	no data	no data	no data

#### *Engineering Controls*

Use in area with adequate ventilation to minimize exposure to product mist

#### *Personal Protective Equipment (PPE)*

Safety glasses, splash goggles and/or face shields are required when handling large quantities of product. Wear chemical-resistant gloves if there is a potential for skin contact. In situations where exposure limits may be exceeded, a NIOSH-approved respirator is recommended

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<i>Appearance:</i> Blue, viscous liquid	<i>Upper flammability limit:</i> Not available
<i>Odor:</i> Wintergreen	<i>Lower flammability limit:</i> Not available
<i>Odor Threshold:</i> Not available	<i>Flammability:</i> Not available
<i>pH:</i> < 1.0	<i>Auto-ignition temperature:</i> Not available
<i>Melting/freezing point:</i> Not available	<i>Decomposition temperature:</i> Not available
<i>Boiling point/boiling range:</i> Not available	<i>Specific gravity:</i> 1.031 – 1.051
<i>Flash point:</i> > 212 °F	<i>Solubility in water:</i> Complete
<i>Evaporation rate:</i> Not available	<i>Partition coefficient:</i> Not available
<i>Vapor pressure:</i> Not available	<i>Vapor Density:</i> Not available
<i>Viscosity:</i> 350 – 500 cP (s62, 60 rpm)	

### SECTION 10 – STABILITY AND REACTIVITY

*Chemical reactivity:* Stable at normal use/storage conditions, will not hazardously polymerize

*Chemical stability:* Stable at normal use/storage conditions, will not hazardously polymerize

*Conditions to avoid:* Avoid contact with aluminum, tin and zinc

*Incompatible materials:* Do not mix with other chemicals, including strong alkaline substances



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*Hazardous decomposition products:* In a fire situation, will produce hydrogen chloride, chlorine and normal products of combustion

*Hazardous reaction possibility:* None known

### SECTION 11 – TOXICOLOGICAL INFORMATION

This product contains no known carcinogens. Likely routes of entry include inhalation, ingestion, skin contact, and eye contact.

*Signs and symptoms of exposure:* Ingestion: causes severe burns of mouth, throat, esophagus and stomach – symptoms include nausea, vomiting, diarrhea, and possibly death  
Eye Contact: causes severe burns to eye tissues that may result in eye damage or blindness  
Skin Contact: depending on exposure, varies from irritation to severe skin damage including dermatitis, redness, swelling, pain, blistering, or scarring  
Inhalation: depending on exposure, varies from irritation of the nose and throat to difficulty breathing, shortness of breath, pulmonary edema, or dental erosion

<u>Component</u>	<u>Acute toxicity, ingestion</u>	<u>Acute toxicity, absorption</u>	<u>Repeated dose toxicity</u>	<u>Developmental toxicity</u>	<u>Reproductive toxicity</u>	<u>Genetic toxicity</u>
Hydrogen Chloride	900 mg/kg, LD50, rabbit	1,449 mg/kg, LD50, mouse	chronic effects generally result of long-term irritation	not available	not available	not available
Amines, tallow alkyl, ethoxylated	620 mg/kg, LD50, rat	not available	not available	not available	not available	not available

### SECTION 12 – ECOLOGICAL INFORMATION

<u>Component</u>	<u>Aquatic Ecotoxicity</u>	<u>Terrestrial Ecotoxicity</u>	<u>Persistence &amp; Degradability</u>	<u>Bioaccumulative Potential</u>	<u>Soil Mobility</u>	<u>Other Adverse Effects</u>
Hydrogen Chloride	not toxic to aquatic life, however decreasing the pH in waterways can lead to adverse effects	not expected to be harmful to terrestrial species	not available	low bioaccumulative potential	not available	none known
Amines, tallow alkyl, ethoxylated	very toxic to aquatic life with long lasting effect	expected to be toxic to terrestrial organisms	not available	not available	not available	none known

### SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable federal, state and local regulations. Do not reuse empty containers – flush with water and place in appropriate trash or recycling receptacle

### SECTION 14 – TRANSPORTATION INFORMATION

*UN Number:* UN1789

*UN Proper Shipping Name:* Hydrochloric acid solution

*Transportation Hazard Class(es):* 8

*Packing Group:* II

*Environmental Hazards:* n/a

*Transport in bulk:* n/a (not shipped in bulk containers)

*Limited Quantity Exception possible:* Yes, provided that inner packaging is 1.0 liter (33.8 fluid ounces) or less – see 49 CFR 173.154 for more details



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### SECTION 15 – REGULATORY INFORMATION

**TSCA:** All ingredients in this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30

**FIFRA:** This product is not a registered pesticide

**CERCLA reportable quantity:** 5,000 lbs Hydrogen Chloride (approximately 52,350 lbs or approximately 6,020 gallons Toilet Bowl Cleaner finished product)

**California Proposition 65:** This product contains no listed substances known to the state of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute

**California SC-258 Compliance:**

<u>CAS#</u>	<u>Ingredient Name</u>	<u>Function</u>	<u>Designated List</u>
7732-18-5	Water	Ingredient Coupler	No
7647-01-0	Hydrochloric Acid	Descaler	CA TAC*
61791-26-2	Tallow Amine Ethoxylate	Thickening Agent	No
57-55-6	1,2-Propanediol	Coupling Agent	No
Withheld as CBI	Fragrance Ingredients	Olfactory Enhancer	No
5989-27-5	d-Limonene	Olfactory Enhancer	No
6104-58-1	Acid Blue 90	Colorant	No
28983-56-4	Acid Blue 93	Colorant	No

\* <https://ww3.arb.ca.gov/toxics/id/taclist.htm>

**SARA Title III 302 extremely hazardous substance:** No

**SARA Title III 313 reportable ingredients:** No

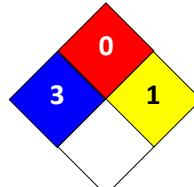
<b>SARA Title III 311/312 hazard categories:</b>	<u>Yes</u>	<u>No</u>
Immediate Hazard	X	
Delayed Hazard	X	
Fire Hazard		X
Pressure Hazard		X
Reactivity Hazard		X

### SECTION 16 – OTHER INFORMATION

This product should only be used as directed on the label and for its intended purpose. This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the manufacturer's control and all chemicals may present unknown hazards and should be used with caution. User is responsible for evaluating all available information when using this product for a particular use and to comply with all applicable federal, state and local laws and regulations.

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HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	D