



## MATERIAL SAFETY DATA SHEET / SERVAAS LABORATORIES, INC.

### SECTION I: PRODUCT INFORMATION

Product Name:  
**BAR KEEPERS FRIEND SOFT CLEANSER**

SerVaas Laboratories, Inc.  
5240 Walt Place  
Indianapolis, IN 46254

Shipping Information: Non-Hazardous Products

Product Use:  
**Acidic liquid hard surface cleanser with mild soap and abrasive**

Product/Technical Information: **317-636-7760**  
Medical Emergency or  
Chemical Leak/Spill Emergency:  
**CHEMTREC PHONE: 1-800-424-9300 (24 hours)**

**NFPA Ratings:**

**Health:** 2-Moderate  
**Fire:** 0-Minimal  
**Reactivity:** 0-Minimal

**HMIS Ratings:**

**Health:** 2-Moderate  
**Fire:** 0-Minimal  
**Reactivity:** 0-Minimal  
**Pers. Prot. Equip:** See Section VIII

### SECTION II: HAZARDOUS INGREDIENTS

<u>Chemical Name</u>	<u>CAS NO.</u>	<u>% WT</u>	<u>Exposure Limits: TLV/PEL</u>
Oxalic Acid	144-62-7	1-3	TWA: 2 (mg/m <sup>3</sup> ) from ACGIH (TVL) TWA: 1 (mg/m <sup>3</sup> ) from OSHA (PEL)
Citric Acid	77-92-9	1-3	

Toxicological Data on Ingredients: Oxalic acid anhydrous: ORAL (LD50); Acute: 7500 mg/kg (rat)

### SECTION III: PHYSICAL DATA

Boiling Point: Unknown  
Vapor Density (AIR=1): Unknown  
Evaporation Rate: <1  
Physical State: Liquid  
Appearance & Odor: White liquid, orange-lemon fragrance

Vapor Pressure: Unknown  
Solubility in Water: 70-75% at 70 °C . Acids and surfactant are soluble. Abrasive is insoluble.  
Specific Gravity (H<sub>2</sub>O=1): 1.1-1.2  
Percent Solid by Weight: 35-45%  
pH: 1.2-1.3 (acidic)

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: > 150 °C  
Flammable Limits: Not established  
Extinguishing Media: Product does not support combustion. Use extinguishing media appropriate for surrounding fire.  
Special Fire-fighting Instructions: Wear NIOSH approved self-contained breathing apparatus and protective clothing appropriate for a chemical fire. Cool fire-exposed containers with water spray.

Method Used: Estimate  
Flame Extension: Not applicable

### SECTION V: HEALTH HAZARD DATA

Threshold Limit Value: Not established  
Effects of Overexposure: **Causes eye irritation** : Symptoms may include redness, pain, swelling, and tearing  
**Causes skin irritation**: Symptoms may include redness, pain, and swelling  
**Harmful if swallowed**: Symptoms may include nausea, vomiting, pain and diarrhea. Contains oxalic acid and citric acid.  
**Avoid contact with skin and eyes. Do not swallow. Do not mix with chlorine bleach or any other household chemicals. Avoid breathing mist. Wash thoroughly after handling. Keep out of reach of children.**

Primary Routes of Entry: Inhalation, Skin Contact, Eyes, Oral

#### Emergency & First Aid procedures:

**Eyes:** Immediately rinse eyes with water. Remove any contact lenses and continue to rinse eyes with plenty of water for at least 15 minutes. If irritation continues or persists, get medical attention.

**Skin:** Wash skin thoroughly with soap and water. Get medical attention if irritation persists. Wash contaminated clothing before use.

**Ingestion:** DO NOT INDUCE VOMITING. Rinse mouth and give a glass of milk to drink. Consult a poison control center or physician immediately. Never give an unconscious person anything to ingest.

**Inhalation:** Move to fresh air. If irritation persists or there is any trouble breathing, get immediate medical attention.



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**SECTION VI: REACTIVITY DATA**

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Stability: Stable  
Incompatible materials: Chlorine bleach, ammonia, and other alkaline products  
Hazardous decomposition products: Oxalic acid may generate formic acid and CO under fire conditions  
Hazardous Polymerization: Will not occur

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**SECTION VII: SPILL OR LEAK PROCEDURES**

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Steps to be taken in case  
Material is released or spilled: Absorb small spills with an inert absorbent material and dispose of in an appropriate waste container. Rinse surface residue and flush to sink or sanitary sewer. Large spills should be contained and collected for later disposal according to the local, state, or federal regulations. Use baking soda to neutralize acid. Wear protective equipment as needed.

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**SECTION VIII: SPECIAL PROTECTION INFORMATION**

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Respiratory Protection: Not normally required when good ventilation is provided. If respiratory irritation occurs, the use of a NIOSH approved respirator suitable for the use-conditions and chemicals listed in Section II should be considered  
Ventilation: None required. Recommended use in well-ventilated areas.  
Protective gloves: Wear rubber gloves if sensitive skin or prolonged use. Emergency responders should wear impermeable gloves.  
Eye Protection: Wear splash goggles if the possibility of splashing exists. Emergency responders should wear full eye and face protection.  
Work hygienic practices: Washing with soap and water after use is recommended as good hygienic practice to prevent possible skin irritation and/or eye irritation from skin contact.

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**SECTION IX: SPECIAL PRECAUTIONS**

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Precautions, handling and storage: Store in original container in an upright position in a cool, dry area inaccessible to children and pets. Keep away from direct sunlight and freezing conditions.

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**SECTION X: TRANSPORTATION INFORMATION**

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Not Regulated by DOT.  
DOT Transportation Number: Not available  
Packing Group: Not Available  
Maritime Information: Not available  
Hazardous substances report Quantity: Not available  
TDG Classification: Consumer Commodity-Transborder Consignment  
ADR Classification: Not applicable  
IMDG Classification: Not regulated  
IATA Classification: Does not qualify in manufactured case lot size

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**SECTION XI: REGULATORY INFORMATION**

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U.S. Federal and State Regulations: SARA Title III Section 313 Toxic Chemical Notification & Release Reporting: none  
Other Classification: WHMIS (Canada) CLASS D-2A: Material causing other toxic effects

**PREPARATION INFORMATION:**

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