



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 ³) from ACGIH (TVL) TWA: 1 (mg/m ³) 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 (H₂O=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.



MATERIAL SAFETY DATA SHEET / SERVAAS LABORATORIES, INC.

SECTION VI: REACTIVITY DATA

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

SECTION VII: SPILL OR LEAK PROCEDURES

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.

SECTION VIII: SPECIAL PROTECTION INFORMATION

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.

SECTION IX: SPECIAL PRECAUTIONS

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.

SECTION X: TRANSPORTATION INFORMATION

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

SECTION XI: REGULATORY INFORMATION

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:

Name: Erin Rissi
Title: V.P. of Research and Development
Effective Date: 11/1/2013
Supersedes: 11/1/2012

BAR KEEPERS FRIEND SOFT CLEANSER