


## SECTION 1 - IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND THE COMPANY

**PRODUCT NAME:** **Bar Keepers Friend Spray + Foam Cleaner**  
**RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST:** Relevant identified uses: Cleans and/or polishes most hard, nonporous surfaces.  
 Do not use on cast iron, granite, marble, wood, fabric, leather, painted surfaces, mirrors, gold, or silver (sterling silver is OK).  
 Do not use where rinsing thoroughly is difficult, or impossible.  
**MANUFACTURER:** SerVaas Laboratories, Inc  
 5240 Walt Place  
 Indianapolis, IN 46254  
 USA  
**CALL FOR PRODUCT TECHNICAL INFORMATION:** 1-800-433-5818 (for USA callers)  
 1-317-636-7760 (for non-USA callers)  
 www.barkeepersfriend.com  
**EMERGENCY TELEPHONE NUMBER( CHEMTREC):** 1-800-424-9300

## SECTION 2 - HAZARDS IDENTIFICATION

**CLASSIFICATION OF THE MIXTURE:** Skin irritation 3 - H316  
 Eye irritation 2B - H320  
**LABEL ELEMENTS:**  
**SIGNAL WORD:** Warning  
**HAZARD PICTOGRAM:**   
**HAZARD STATEMENTS:** H316 Causes mild skin irritation  
 H320 - Causes eye irritation  
**PREVENTION:** P264 Wash hands thoroughly after handling  
**RESPONSE:** P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
 P337+P313 If eye irritation persists: Get medical advice / attention. If medical advice is needed, have container in hand.  
 P332+P313 If skin irritation occurs, get medical attention. If medical advice is needed, have container in hand.

## SECTION 3 - COMPOSITION / INFORMATION ON THE INGREDIENTS

INGREDIENT	% By Weight	CAS Reg. No.
WATER*	86 - 88	7732-18-5
OXALIC ACID	1.5 - 3	144-62-7
CITRIC ACID	3 - 4	77-92-9

(continued on next page)

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NONIONIC SURFACTANT*	5 - 7	WERCS ID 1208269
ORANGE / LEMON SCENT*	0.1 - 0.3	trade secret / mixture

\*not regulated as hazardous materials

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#### **SECTION 4 - FIRST AID MEASURES**

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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice / attention. If medical advice is needed, have container at hand.

IF INGESTED: Drink milk or water and call a doctor. Do not induce vomiting. Get medical advice / attention. If medical advice is needed, have container at hand.

IF ON SKIN: Wash with soap and water. If skin irritation occurs, get medical attention. If medical advice is needed, have container in hand.

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#### **SECTION 5 - FIREFIGHTING MEASURES**

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Not a fire hazard. Use extinguishing media appropriate for surrounding fire.

SPECIAL FIREFIGHTING INSTRUCTIONS: Wear NIOSH approved self-contained breathing apparatus and protective clothing appropriate for a chemical fire. Cool fire-exposed containers with water spray. Oxalic acid may decompose to carbon monoxide (CO) and formic acid (HCOOH) in fire conditions.

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#### **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: For a small spill, wipe up with a mop, paper towels, or cloths. For large spills, use an absorbent such as kitty litter to contain spills. Carefully sweep up, raising a minimum amount of dust, and discard into a household waste container for disposal.

WASTE DISPOSAL METHOD: Dispose according to the local, state, or federal regulations. Use baking soda to neutralize acid. Wear protective equipment as needed (see section 8).

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#### **SECTION 7 - HANDLING AND STORAGE**

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CONDITIONS FOR SAFE STORAGE: Keep out of reach of children and domestic animals. Store in a dry place. Keep from freezing. do not store where temperature may exceed 140° F.

CONDITIONS FOR SAFE USE: Follow use directions on the label. Spray a small amount onto a wet surface or a damp cloth or sponge, then rub gently. Do not mix with other chemicals including bleach or ammonia.

Wash hands after use. For prolonged use or sensitive skin, wear waterproof gloves. Respiratory protection is not normally required except as described for firefighting, or if the product is mixed with bleach or ammonia.

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**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

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PRIMARY ROUTES OF EXPOSURE: Dermal contact, hand-to-eye contact. In case of eye contact, see Section 4, First Aid.  
ACCIDENTAL OR DELIBERATE INGESTION: Bar Keepers Friend Spray + Foam is of minimal oral toxicity. For ingestion of a large amount, see Section 4: First Aid.  
INDIVIDUAL PROTECTION MEASURES: Prolonged contact may produce dry skin or irritation in some individuals. For prolonged contact or sensitive skin, wear protective gloves (e.g. those meant for household cleaning.)  
EXPOSURE LIMITS: Oxalic acid: ACGIH TLV/ OSHA PEL/ NIOSH REL 1 mg/M3 (TWA) 2 (STEL).

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**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

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PHYSICAL STATE: . . . . . liquid	COLOR: . . . . . clear
ODOR: . . . . . citrus	pH: . . . . . 1.65
FREEZING: . . . . . freezes at < 30°C	BOILING POINT: . . . . . 100°C
FLASH POINT: . . . . . not flammable	EVAPORATION RATE: . . . not known
SPECIFIC GRAVITY: . . . . . 1.0	SOLUBILITY: . . . . . Oxalic acid, citric acid and surfactant are soluble in water.

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**SECTION 10 - STABILITY AND REACTIVITY**

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STABILITY: Stable  
REACTIVITY: Incompatible with chlorine bleach, ammonia, and alkaline products.  
HAZARDOUS DECOMPOSITION PRODUCTS: Oxalic acid may decompose to carbon monoxide (CO) and formic acid (HCOOH) in fire conditions.

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

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ACUTE TOXICITY:  
OXALIC ACID: Oral LD50 >7500 mg/kg (rat)  
Dermal LD50 not determinable  
Eye irritant  
Slight skin irritant  
Inhalation LD50 not determined  
Non sensitizer  
CITRIC ACID Oral LD50 >5040 mg/kg (rat)  
Dermal LD50 not determinable  
Eye irritant  
Slight skin irritant  
Inhalation LD50 not determined  
Non sensitizer

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**SECTION 12 - ECOLOGICAL INFORMATION**

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Bar Keepers Friend Spray + Foam is of minimal risk to terrestrial wildlife.

Oxalic acid, citric acid and surfactant are water soluble. Dissolution of these substances into bodies of water may cause short-term risk to fish and other aquatic organisms. Dissipation in the environment is rapid.

In case of spill, prevent runoff into bodies of water. Clean up spills as described in Section 6.

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**SECTION 13 - DISPOSAL CONSIDERATIONS**

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Bar Keepers Friend Spray + Foam Cleaner may be disposed of in household garbage.

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**SECTION 14 - TRANSPORT INFORMATION**

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NOT REGULATED BY DOT.

DOT TRANSPORTATION NUMBER: Not applicable

PACKING GROUP: Not applicable

MARITIME INFORMATION: Not applicable

HAZARDOUS SUBSTANCES REPORT QUANTITY: Not applicable

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 15 - 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:

Not controlled under WHMIS (Canada)

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**SECTION 16 - OTHER INFORMATION**

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NFPA Health Hazards: 1 Flammability: 0 Instability: 0 Special: N/A

HMIS Health Hazards: 1 Flammability: 0 Physical Hazards: 0

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