PRODUCT NAME: Bar Keepers Friend Cleanser & Polish
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 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 at 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.
FELDSPAR* Confidential 68476-25-5
LINEAR SODIUM DODECYL BENZENE SULFONATE (DDBSA) Confidential 69669-44-9
OXALIC ACID 7.5 - 9.5 144-62-7

*not regulated as hazardous materials
SECTION 4 - FIRST AID MEASURES

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.

SECTION 5 - FIREFIGHTING MEASURES

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.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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).

SECTION 7 - HANDLING AND STORAGE

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 140º F.

CONDITIONS FOR SAFE USE: Follow use directions on the label. Apply 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.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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 Cleanser & Polish is of minimal oral toxicity. For ingestion of a large quantity, see Section 4: First Aid.

INDIVIDUAL PROTECTION MEASURES: Prolonged contact may product 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).
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSICAL STATE</td>
<td>solid (powder)</td>
</tr>
<tr>
<td>ODOR</td>
<td>negligible</td>
</tr>
<tr>
<td>FREEZING</td>
<td>NA</td>
</tr>
<tr>
<td>FLASH POINT</td>
<td>not flammable</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>0.85 - 0.95</td>
</tr>
<tr>
<td>COLOR</td>
<td>white</td>
</tr>
<tr>
<td>pH</td>
<td>1.5 to 2.5 (depending on typical dilution)</td>
</tr>
<tr>
<td>BOILING POINT</td>
<td>NA</td>
</tr>
<tr>
<td>SOLUBILITY</td>
<td>Oxalic acid and surfactant are soluble in water.</td>
</tr>
</tbody>
</table>

SECTION 10 - STABILITY AND REACTIVITY

- **STABILITY:** Stable
- **REACTION:** 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.

SECTION 11 - TOXICOLOGICAL INFORMATION

- **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
  - **DDBSA**: Moderate skin and eye irritant

SECTION 12 - ECOLOGICAL INFORMATION

Bar Keepers Friend Cleanser & Polish is of minimal risk to terrestrial wildlife. Oxalic acid and DDBSA 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.

SECTION 13 - DISPOSAL CONSIDERATIONS

Bar Keepers Friend Cleanser & Polish may be disposed of in household garbage.

SECTION 14 - TRANSPORT INFORMATION

- **NOT REGULATED BY DOT:**
  - DOT TRANSPORTATION NUMBER: Not applicable
  - PACKING GROUP: Not applicable
  - MARITIME INFORMATION: Not applicable