

**1. Identification**

**Product name:** Bar Keepers Friend MORE Spray + Foam  
**Restrictions on use:** None known  
**Supplier:** Servaas Laboratories, Inc.  
 5240 Walt Place  
 Indianapolis, IN 46254  
 T 1-800-433-5818 (for USA callers)  
**Emergency number:** 1-800-424-9300 (CHEMTREC)  
 (Chemical Spills, Leaks, Fire, Exposure or Accident only):  
 CHEMTREC 1-800-424-9300 (in the US), 1-703-527-3887 (Outside the US)  
**Issue date:** 03/17/2024

**2. Hazard(s) identification**

**Classification:**

Physical hazards	Health hazards
Not classified	Skin corrosion/irritation Category 2 Serious eye damage Category 1

**GHS US labeling:**

Danger!



CONTAINS: C9-11 Ethoxylated Alcohol; MYRISTAMINE OXIDE; Oxalic acid

Hazard statements (GHS US)	Precautionary statements (GHS US)
H315 - Causes skin irritation H318 - Causes serious eye damage	P264 - Wash hands thoroughly after handling. P280 - Wear eye protection. P302+P352 - If on skin: Wash with plenty of soap and water. P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER or doctor/physician. P332+P313 - If skin irritation occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P501 - Dispose of contents/container to a hazardous or

special waste collection point, in accordance with local, regional, national and/or international regulation.
---

### 3: Composition/Information on ingredients

Component	CAS-No.	Amount (%)
Non-Hazardous Ingredients	Mixture	90-97
C9-11 Ethoxylated Alcohol	68439-46-3	1 – 5
Citric acid	77-92-9	1 – 5
Oxalic Acid Dihydrate	6153-56-6	1 – 5

### 4. First-aid measures

**Inhalation:** Move the affected person to fresh air. Get medical attention if symptoms occur.

**Skin:** Rinse with water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

**Eyes:** Immediately flush eyes thoroughly with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

**Ingestion:** Rinse mouth out with water. Do NOT induce vomiting. Call a poison center or a doctor if you feel unwell.

**Immediate medical attention and special treatment, if necessary:** Immediate medical attention is required for eye contact.

### 5. Fire-fighting measures

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable extinguishing media:** None.

**Fire hazard:** This product is not classified as flammable or combustible. Thermal decomposition generates: Formic acid. Carbon oxides (CO, CO<sub>2</sub>).

**Special protective equipment and precautions for fire-fighters:** Do not attempt to take action without suitable protective equipment.

### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Wear suitable protective clothing. Avoid contact with eyes, skin and clothing.

**Methods and material for containment and cleaning up:** Collect spillage. Take up liquid spill into absorbent material. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

### 7. Handling and storage

**Precautions for safe handling:** Avoid contact with skin and eyes. Wear personal protective equipment. Avoid contact with eyes, skin and clothing. Wash hands with water and soap. Ensure adequate ventilation. Do not mix with other products. Empty containers retain product residue and can be hazardous.

**Storage conditions:** Store in a cool, well-ventilated place. Keep in original containers.

### 8. Exposure controls/personal protection

#### Exposure guidelines:

Citric acid	None established.
-------------	-------------------

C9-11 Ethoxylated Alcohol	None established.
Oxalic Acid Dihydrate	1 mg/m <sup>3</sup> TWA OSHA PEL; 1 mg/m <sup>3</sup> TWA ACGIH TLV; 2 mg/m <sup>3</sup> STEL ACGIH TLV;
Non-Hazardous Ingredients	None established.

**Appropriate engineering controls:** No particular/specific measures required.

**Environmental exposure controls:** Avoid release to the environment.

**Personal protective equipment:**

**Hand protection:** Wear impervious gloves.

**Eye protection:** Chemical goggles

**Skin and body protection:** Wear suitable protective clothing

**Respiratory protection:** Not required for normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment. In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

## 9. Physical and chemical properties

**Appearance:** Clear, colorless liquid.

<b>Physical state</b>	: Liquid	<b>Relative density</b>	: 1.021
<b>Color</b>	: Colorless	<b>Solubility</b>	: Partially soluble.
<b>Odor</b>	: citrus-like	<b>Partition coefficient n-octanol/water (Log Pow)</b>	: No data available
<b>Odor threshold</b>	: No data available	<b>Auto-ignition temperature</b>	: No data available
<b>pH</b>	: 1.19 (acid reserve 2.04 – not corrosive)	<b>Decomposition temperature</b>	: No data available
<b>Melting point</b>	: Not applicable	<b>Viscosity, kinematic</b>	: No data available
<b>Freezing point</b>	: No data available	<b>Viscosity, dynamic</b>	: No data available
<b>Boiling point</b>	: No data available	<b>Explosion limits</b>	: No data available
<b>Flash point</b>	: Not flammable	<b>Explosive properties</b>	: No data available
<b>Relative evaporation rate (butyl acetate=1)</b>	: No data available	<b>Oxidizing properties</b>	: No data available
<b>Flammability</b>	: Not applicable.		
<b>Vapor pressure</b>	: No data available		
<b>Relative vapor density at 20°C</b>	: No data available		

No additional information available

## 10. Stability and reactivity

**Reactivity:** The product is non-reactive under normal conditions of use, storage and transport.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** No dangerous reactions known under normal conditions of use.

**Conditions to avoid:** None known.

**Incompatible materials :** Strong oxidizers. Strong bases. Product can attack some forms of plastics.

**Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological information

**Inhalation:** May cause minor irritation to the respiratory tract and to other mucous membranes.

**Skin:** Causes skin irritation.

**Eyes:** Serious damage to eyes.

**Ingestion:** May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Chronic symptoms:** None known.

<b>Carcinogenicity:</b>	Not classified
Citric acid:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
C9-11 Ethoxylated Alcohol:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Oxalic Acid Dihydrate:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Non-Hazardous Ingredients:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
<b>Germ cell mutagenicity:</b>	Not classified
<b>Reproductive toxicity:</b>	Not classified
<b>Acute toxicity (oral)</b>	: Not classified
<b>Acute toxicity (dermal)</b>	: Not classified
<b>Acute toxicity (inhalation)</b>	: Not classified

### Numerical measures of toxicity:

#### The following are the toxicity values for the components:

Citric acid	5400 mg/kg bodyweight Animal: mouse, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 4500 - 6400 LD50 oral; > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) LD50 dermal rat
C9-11 Ethoxylated Alcohol	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) LD50 dermal rat; > 1.6 mg/l/4h Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity) LC50 Inhalation - Rat
Oxalic Acid Dihydrate	375 mg/kg LD50 oral rat; 20000 mg/kg bodyweight LD50 dermal rabbit
Non-Hazardous Ingredients	No data available

**Skin corrosion/irritation** Causes skin irritation.  
pH: 1.19 (acid reserve 2.04 – not corrosive)

**Serious eye damage/irritation** Causes serious eye damage.  
pH: 1.19 (acid reserve 2.04 – not corrosive)

**Respiratory or skin sensitization** Not classified

**STOT-single exposure** Not classified

**STOT-repeated exposure** Not classified

**Aspiration hazard** Not classified

## 12. Ecological information

**Ecology - general:** Harmful to aquatic life.

**Ecotoxicity:**

C9-11 Ethoxylated Alcohol mg/l Min: 5 Max: 7 Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) LC50 - Fish [1]; 2.5 mg/l Test organisms (species): Daphnia magna EC50 - Crustacea [1]

Oxalic Acid Dihydrate 162.2 mg/l Test organisms (species): Daphnia magna EC50 - Crustacea [1]

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:**

No data available

## 13. Disposal considerations

**Regional waste regulation:** Dispose of in accordance with applicable federal, state, and local regulations.

## 14. Transport information

**Department of Transportation (DOT)**

Not regulated for transport

**Transport by sea**

Not regulated for transport

**Air transport**

Not regulated for transport

## 15. Regulatory information

**SARA Section 313 - Emission Reporting:**

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

**CERCLA Section 103:**

This product is not subject to reporting under CERLCA. However, many states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

**SARA 302:**

Not applicable

**SARA Section 311/312 Hazard Classes:** Refer to Section 2 for OSHA Hazard Classification.

**TSCA:** All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

**INTERNATIONAL INVENTORIES**

**Canada DSL:** All the components are listed.

**California SB258 Disclosure**

CAS#	Ingredient Name	Function	California List/Website Active Link Reference
7732-18-5	Water	Carrier	No
77-92-9	Citric Acid	Descaler	No
68439-46-3	Alcohol Ethoxylates	Surfactant	No
6153-56-6	Oxalic Acid	Rust Remover	No
1643-20-5	Lauramine Oxide	Surfactant	No
67-63-0	Isopropanol	Solvent	<a href="#">OEHHA REL ; CA Non-Cancer Hazards</a>
9005-64-5	Polysorbate 20	Fragrance Ingredient	No
18479-58-8	2,6-Dimethyl-7-Octen-2-Ol	Fragrance Ingredient	No
78-69-3	Tetrahydrolinalool	Fragrance Ingredient	No
61792-11-8	Homogeranyl Nitrile	Fragrance Ingredient	No
73018-51-6	Linalool Acid Isomerized	Fragrance Ingredient	No
8008-57-9	Citrus Aurantium Dulcis Peel	Fragrance Ingredient	No

**16. Other information**

Issue date : 03/17/2024  
 Supersedes : 10/09/2020

**NOTICE**

The information presented herein is based on available data from reliable sources and is correct to the best of SerVaas Laboratories, Inc.'s knowledge. SerVaas Laboratories, Inc. makes no warranty, express nor implied, regarding the accuracy of the data or the results obtained from the use of this product. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. SerVaas Laboratories, Inc. disclaims all liability for injury or damage stemming from any improper use of the material or product described herein.