

SECTION I - IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND THE COMPANY

Product name: Bar Keepers Friend MORE Spray + Foam

Supplier Name: SerVaas Laboratories, Inc
Address: 5240 Walt Place
 Indianapolis, IN 46254
 USA

Telephone number: 1-800-433-5818 (for USA callers)
 1-317-636-7760 (for non-USA callers)

Emergency phone number: 1-800-424-9300 (CHEMTREC)

Recommended use: Household Cleaner

Restrictions on use: None known

Date of preparation: February 26, 2020

SECTION 2 - HAZARDS IDENTIFICATION

Note: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products.

Classification:	Physical	Health
	Not Hazardous	Skin Irritation Category 2
		Eye Damage Category 1

Label elements:

Signal word: **Danger**

Hazard statement(s) Causes skin irritation. Causes serious eye damage.



Precautionary phrases: Wash hands thoroughly after handling. Wear protective gloves and eye protection

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

SECTION 3 - COMPOSITION / INFORMATION ON THE INGREDIENTS

Chemical name	CAS No.	Percent
Oxalic Acid Dihydrate	6153-56-6	1-5
C9-11 Ethoxylated Alcohols	68439-46-3	1-5
Non-Hazardous Ingredients	Mixture	Balance

The specific identity and/or exact concentration has been withheld as a trade secret.

SECTION 4 - FIRST AID MEASURES

Inhalation:	None required under normal use conditions. If mists are inhaled, move to fresh air. Get medical attention if symptoms persist.
Skin contact:	Remove contaminated clothing. Flush skin with water. Get medical attention if irritation persists. Launder clothing before reuse.
Eye contact:	Immediately flush eye with water for at least 20 minutes while lifting the upper and lower lids. Remove contact lenses if present and easy to do after the first 5 minutes then continue flushing. Get immediate medical attention.
Ingestion:	If conscious, rinse mouth with water. Do not induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention.
Most important symptoms/effects, acute and delayed:	May cause severe irritation or burns to eye. May cause skin irritation. Permanent eye damage may occur. Ingestion may cause irritation to the mouth, throat and stomach with nausea, vomiting and diarrhea.
Indication of immediate medical attention and special treatment, if necessary:	Immediate medical attention is recommended for eye contact.

SECTION 5 - FIREFIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	Use any media that is suitable for the surrounding fire.
Specific hazards arising from the chemical:	This material is not flammable or combustible. Thermal decomposition may produce carbon oxides and formic acid.
Special protective equipment and precautions for fire-fighters:	Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool fire exposure containers with water.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:	Wear appropriate protective clothing and equipment to prevent eye and skin contact. Ventilate the area.
Environmental precautions:	Avoid release to the environment. Report spill as required by local and federal regulations.
Methods and materials for containment and cleaning up:	Wipe up small spills with a sponge or paper towel. Collect and contain large spills with an inert absorbent. Neutralize spill with sodium bicarbonate or other dilute alkaline material. Place into appropriate containers for disposal.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:	Prevent eye contact. Avoid prolonged skin contact. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse. Do not mix with other cleaning products.
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Empty containers retain product residues. Follow all SDS precautions in handling empty containers.

Conditions for safe storage, including any incompatibilities:

Store in a cool, well-ventilated area. Keep in original containers. Protect containers from physical damage.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

Oxalic Acid Dihydrate	1 mg/m ³ TWA OSHA PEL 1 mg/m ³ TWA, 3 mg/m ³ STEL ACGIH TLV
C9-11 Ethoxylated Alcohols	None Established

Appropriate engineering controls: Use in a well-ventilated area. For operations where exposures are excessive increased mechanical ventilation such as local exhaust may be required.

Personal Protective Equipment

Respiratory protection: None required for normal use. For large jobs where exposures may be excessive an approved respirator with dust/mist cartridges may be required. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

Skin protection: Impervious gloves such as rubber, neoprene or nitrile are recommended to avoid skin contact.

Eye protection: Wear chemical safety goggles and faceshield to prevent contact.

Other: Wear impervious clothing as needed to prevent contact and contamination of personal clothing. A safety shower and an eye wash facility should be available in the immediate work area.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Clear, colorless liquid

Odor: Citrus odor.

Odor threshold: Not available	pH: 1.19 (acid reserve 2.04 – not corrosive)
Melting point/freezing point: Not available	Initial boiling point and boiling range: Not available
Flash point: Not flammable	Evaporation rate: Same as water
Flammability (solid, gas): Not applicable	
Flammable limits: LEL: Not applicable	UEL: Not applicable
Vapor pressure: Same as water	Vapor density: Same as water
Relative density: 1.021 . . . Solubility(ies): Partial	
Partition coefficient: n-octanol/water: Not available	Auto-ignition temperature: Not available
Decomposition temperature: Not available	VOC: Not available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions of use.
Chemical stability:	Stable
Possibility of hazardous reactions:	Reacts with bases generating heat.
Conditions to avoid:	Avoid excessive heat.
Incompatible materials:	Avoid oxidizing agents, alkaline solutions, ammonia. May attack some plastic.
Hazardous decomposition products:	Thermal decomposition may produce carbon oxides and formic acid.

SECTION 11 - TOXICOLOGICAL INFORMATION

Inhalation:	None expected under normal use conditions.
Skin Contact:	May cause irritation.
Eye Contact:	May cause severe irritation or burns with redness, pain and swelling. Permanent damage may occur.
Ingestion:	Swallowing may cause gastrointestinal irritation, nausea, vomiting and abdominal pain.
Chronic Effects:	None known.
Sensitization:	None of the components are sensitizing to animals or humans.
Germ Cell Mutagenicity:	None of the components have been shown to cause germ cell mutagenicity.
Reproductive Toxicity:	None of the components have been shown to cause reproductive or developmental toxicity.
Carcinogenicity:	None of the components present at 0.1% or greater are listed as a carcinogen by NTP, IARC, ACGIH or OSHA.
Acute toxicity values:	Acute Toxicity Estimates (ATE) calculated: Oral >5000 mg/kg, Dermal >2000 mg/kg,
Oxalic Acid Dihydrate:	Oral rat LD50 375 mg/L Dermal rabbit LD50 20,000 mg/kg
C9-11 Ethoxylated Alcohols:	Oral rat LD50 >2000 mg/kg Dermal rabbit LD50 >2000 mg/kg

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity values:	
Oxalic Acid Dihydrate:	48 hr LC50 <i>Leuciscus idus melanotus</i> 160 mg/L, 48 hr EC50 <i>daphnia magna</i> 162.2 mg/L, 72 hr EC50 <i>Pseudokirchneriella subcapitata</i> 20.58 mg/L
C9-11 Ethoxylated Alcohols:	96 hr LC50 fish 5-10 mg/L, 48 hr EC50 <i>daphnia magna</i> 5-10 mg/L, 72 hr EC50 algae 10-100 mg/L
Persistence and degradability:	Oxalic acid dihydrate and C9-11 ethoxylated alcohols are readily biodegradable.
Bioaccumulative potential:	Oxalic acid dihydrate has a BCF of <3. This suggests the potential for bioaccumulation is low.
Mobility in soil:	Oxalic acid is highly mobile in soil.
Other adverse effects:	None known.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of in accordance with all local, regional, national, provincial, territorial and international regulations .

SECTION 14 - TRANSPORT INFORMATION

UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	Not Regulated			
IMDG	Not Regulated			

SECTION 15 - REGULATORY INFORMATION

Safety, health, and environmental regulations specific for the product in question.

CERCLA Hazardous Substances (Section 103)/RQ:

This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

Section 302 Extremely Hazardous Substances (TPQ):

None

SARA Hazard Category (311/312): Refer to Section 2 for OSHA Hazard Classification**EPA SARA 313:**

This product contains the following chemicals regulated under SARA Title III, section 313: None

California Proposition 65:

This product the following chemicals known to the State of California to cause cancer or reproductive toxicity:

Ethylene oxide	75-21-8	<35 ppm	Cancer, female reproductive toxicity, male reproductive toxicity, developmental
Ethylene glycol	107-21-1	<35 ppm	developmental
Acetaldehyde	75-07-0	<35 ppm	cancer

California SB-258 Compliance:

CAS#	Ingredient Name	Function	California List/Website Active Link Reference
7732-18-5	Water	Ingredient Coupler	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	Coupling Agent	No
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

EPA TSCA Inventory: All of the components of this product are listed on the TSCA inventory.

SECTION 16 - OTHER INFORMATION

NFPA Rating	Health Hazards = 3	Flammability = 0	Instability = 0
HMIS Rating	Health Hazards = 3	Flammability = 0	Physical Hazard = 0

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