

**SAFETY DATA SHEET****SECTION I -- IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

**TRADE NAME:** FOAMKLEEN®  
**MANUFACTURER:** Midwest Industrial Supply, Inc.  
1101 3rd Street SE  
Canton, OH 44707  
**EMERGENCY PHONE NUMBER:** 330-456-3121  
**RECOMMENDED USE:** Dry Cleaning Foam  
**CHEMICAL NAME:** Sodium Alpha Olefin Sulfonate based product  
**SYNONYMS:** Foam Cleaning Agent

**SECTION II -- HAZARDS IDENTIFICATION**

**CLASSIFICATION:** Eye Irritant  
Skin Irritant  
**SIGNAL WORD:** Danger  
**HAZARD STATEMENT(S):** Causes serious eye damage, 1  
Causes serious skin irritation, 2

**Pictograms**

Serious eye damage



Skin Irritant

**PRECAUTIONARY STATEMENT(S):**

**Prevention:** Wash hands and exposed skin thoroughly after handling.  
Wear eye and face protection and protective gloves.  
**Response:** If in eyes, rinse cautiously with water for several minutes.  
Remove contact lenses if present and easy to do. Continue rinsing.  
Immediately get medical attention.  
If on skin, wash with plenty of water.  
If skin irritation occurs, get medical attention.  
Take off contaminated clothing and wash before reuse.  
**Storage:** None  
**Disposal:** None

**OTHER HAZARDS:** Hazardous to aquatic life

**SECTION III -- COMPOSITION/INFORMATION ON INGREDIENTS**



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Component	CAS #	WT %
Sodium Alpha Olefin Sulfonate	68439-57-6	< 35%
Water	7732-18-5	Non-hazardous
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,Ndimethyl-,	61789-39-7	< 2%
Propylene Glycol	57-55-6	Non-hazardous

### SECTION IV -- FIRST AID MEASURES

- INHALATION:** If respiratory irritation occurs, move victim to fresh air. Seek medical attention if distress or irritation persists.
- SKIN:** Remove from source of irritation. Remove any contaminated clothing and wash affected area(s) thoroughly with a mild soap and water. Launder clothing before reusing.
- EYES:** Do not rub eyes. Flush eyes with clear water for at least fifteen (15) minutes. Remove contact lenses, if easy to do. Get medical attention immediately.
- INGESTION:** If swallowed and person is conscious, give 1 – 2 glasses of water. Seek medical attention if symptoms occur. **Never give anything by mouth to an unconscious person.**

#### RECOMMENDATION TO FIREFIGHTERS ON SPECIAL PROTECTIVE EQUIPMENT OR PRECAUTIONS:

Firefighters should be equipped to prevent breathing of vapor, mist or products of combustion. Use NIOSH approved self-contained breathing apparatus for organic vapors and wear appropriate clothing.

### SECTION V -- FIREFIGHTING MEASURES

- EXTINGUISHING MEDIUM:** Do not use water jet it will spread fire. Use other methods suitable for fire circumstances.
- SPECIAL FIREFIGHTING PROCEDURES:** None
- UNUSUAL FIRE AND EXPLOSION HAZARDS:** During fire hazardous gases may form.
- SPECIAL HAZARDS:** None

### SECTION VI -- ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS:** Safety glasses and neoprene gloves should be worn especially if frequent or prolonged contact is expected.
- SPILL AND LEAK PROCEDURES:** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For small spills wipe up with absorbant materials. For larger spills dyke to control with absorbant material. Prevent product from entering



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waterways of storm drains.

### SECTION VII -- HANDLING AND STORAGE

- STORAGE:** Keep container closed when not in use. Use in well ventilated area. Store in a location well away from strong oxidizers. Keep product between 55°F and 120°F. Do not allow product to freeze.
- HANDLING:** Consumption of food and beverages should be avoided in work areas where product is being used. After using product, always wash hands and face with soap and water before eating, drinking, or smoking.

### SECTION VIII -- EXPOSURE CONTROL/PERSONAL PROTECTION

- VENTILATION:** Good ventilation or local exhaust.
- RESPIRATORY PROTECTION:** If high vapor or mist concentrations are expected, use NIOSH approve drespirator for organic vapors.
- EYE PROTECTION:** Safety goggles or chemical splash goggles, especially if splashing is anticipated.
- PROTECTIVE CLOTHING:** Wear clothing to minimize skin contact, long sleeves, boots or shoes. Change clothing frequently if contaminated with product. Launder soiled work clothes before re-using. For casual contact PVC gloves are suitable, for prolonged contact use neoprene or nitrile gloves.

### SECTION IX -- PHYSICAL AND CHEMICAL PROPERTIES

- Physical State:** Liquid
- Odor:** Slight soap
- Vapor Density:** N/D
- Solubility in Water:** miscible
- Relative Density:** 1.02
- Melting/Freezing Point:** N/D
- VOC Content:** < 0.1%
- Viscosity:** < 200 Cps @25 C
- Flashpoint:** < 100 C (212 F)
- Flammable Limits LEL:** N/D
- Flammable Limits UEL:** N/D
- Odor Threshold:** N/D
- Initial Boiling Point/Range:** 100 C (212 F)
- Vapor Pressure:** N/D
- Evaporation Rate:** N/D
- pH:** 7-9 ( 10% water solution)



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**Octanol/Water Coefficient:** N/D  
**Decomposition Temperature:** N/D  
**Flammability (solid/gas):** N/A  
**Auto Ignition Temperature:** N/D

### SECTION X -- STABILITY AND REACTIVITY

**REACTIVITY:** none  
**CHEMICAL STABILITY:** Stable under normal handling conditions.  
**CHEMICAL INCOMPATIBILITY:** Strong oxidizers such as, but not limited to, hydro chlorite.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion may yield carbon dioxide, carbon monoxide, acrolein fumes and oxides of sulphur.  
**HAZARDOUS POLYMERIZATION:** Does not occur.  
**CONDITIONS TO AVOID:** Strong acids and strong oxidizing agents

### SECTION XI -- TOXICOLOGICAL INFORMATION

#### EFFECTS OF OVEREXPOSURE

**INHALATION:** No adverse effects due to inhalation are expected.  
**SKIN:** Causes skin irritation  
**EYES:** Causes serious eye damage  
**INGESTION:** Expected to be a low ingestion hazard  
**CARCINOGENICITY:** Based on studies to date, FOAMKLEEN® is not known to be carcinogenic to humans.  
**GERM CELL MUTAGENICITY:** N/D  
**REPRODUCTIVE TOXIN:** N/D  
**ACUTE TOXICITY:** Dermal rabbit LD50 6300-160,000 mg/kg  
inhalation rat LD50 52-206 mg/L  
oral rat LD50 2079-2340 mg/kg

### SECTION XII -- ECOLOGICAL INFORMATION

Ecological studies have not been performed on the FOAMKLEEN®, however, data on sodium alpha olefin sulfonate is as follows:

Ecotoxicity: Toxic to aquatic life.

Components	Species	Test Results
Sulfonic Acids, C14-16-alkane Hydroxy And C14-16-alkene, Sodium Salts (CAS 68439-57-6)		
<b>Aquatic</b>		
Acute		
Algae	EC50	Algae 3.2-5.2 mg/L, 72 h
Crustacea	EC50	Daphnia 4.53 mg/L, 48h



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Fish <i>Chronic</i>	LC50	Danio rerio	3.5-5mg/L, 96h
Crustacea	NOEC	Daphnia	6.3 mg/L, 21 d

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability:** This product is expected to be readily biodegradable.

**Bioaccumulative potential:**

**Mobility in soil:** No data available.

**Other adverse effects:** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### SECTION XIII -- DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Consult your local authorities for regulations. Preferred waste management: recycle or reuse, incinerate with energy recovery, disposal in a licensed facility. Disposal facility should be compliant with state, local and federal government regulations.

### SECTION XIV -- TRANSPORTATION INFORMATION

<b>DOT HAZARDOUS MATERIAL DESCRIPTION:</b>	None
<b>PROPER SHIPPING NAME:</b>	FOAMKLEEN®
<b>UN NUMBER:</b>	None
<b>HAZARD CLASS/PACKAGING GROUP:</b>	None
<b>LABELS REQUIRED:</b>	None

### SECTION XV -- REGULATORY INFORMATION

<b>NFPA RATING:</b>	Health:	3	<b>HMIS RATING:</b>	Health:	3
	Flammability:	1		Flammability:	1
	Instability:	0		Physical Hazard:	0
				PPE:	B

<b>EPA SARA Title III hazard class:</b>	none
<b>OSHA HCS hazard class:</b>	Eye Irritant, serious eye damage
<b>EPA SARA Title III Section 313 (40CFR372):</b>	none
<b>TSCA:</b>	listed or not regulated

### SECTION XVI -- OTHER INFORMATION



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**LATEST REVISION:** Nov. 24, 2015

**ABBREVIATIONS AND SYMBOLS:**

N.D. Not Determined  
< Less Than

N.A. Not Applicable  
> More Than

N.T. Not Tested