

MIDWEST INDUSTRIAL SUPPLY, INC.
P. O. BOX 8431
CANTON, OHIO 44711 U.S.A.

Emergency Phone Numbers: 330-456-3121

FOAMKLEEN®
DRY CLEANING FOAM AGENT
**MATERIAL SAFETY DATA
SHEET**

SECTION I -- IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

TRADE NAME: FOAMKLEEN® DRY CLEANING FOAM AGENT
CHEMICAL NAME: SULFONATE IN PROPYLENE GLYCOL
CHEMICAL FAMILY: GLYCOLS
MOLECULAR WEIGHT: N/A
FORMULA: N/A
CAS REGISTRY NO.: MIXTURE - NO NUMBER ASSIGNED

SECTION II -- COMPOSITION/INFORMATION ON INGREDIENTS

<u>NAME</u>	<u>CAS REG NO.</u>	<u>WT. %</u>
Propylene Glycol	57-55-6	>10%
Glycerin	56-81-5	**

SECTION III -- HAZARDS IDENTIFICATION

Propylene Glycol Non-hazardous
Glycerin irritant

SECTION IV -- FIRST AID MEASURES

EYES: Flush eyes with flowing water at least 15 minutes, get medical attention.
INHALATION: If irritation occurs move to fresh air and seek medical attention
SKIN: Flush with large amount of water or wash with soap and water. Seek medical attention if irritation occurs.
INGESTION: Give water to drink. Do not induce vomiting. Call a physician.

NEVER GIVE FLUIDS OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAVING CONVULSIONS.

SECTION V -- FIRE FIGHTING MEASURES

FLASH POINT (TEST METHOD): >212°F
AUTOIGNITION TEMPERATURE: N/D

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EXTINGUISHING MEDIUM: Water fog, alcohol foams, CO₂, dry chemical

SPECIAL FIREFIGHTING PROCEDURES: Water or foam may cause frothing, use water to cool containers. If a leak or spill has not ignited, use water to disperse vapors and provide protection for personnel.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Dried material will burn to form CO₂ and water.

SECTION VI - ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES: Dike and control spill. Transfer liquid to containers for recovery or disposal.

SECTION VII -- HANDLING AND STORAGE

STORAGE: Keep in a cool, dry, ventilated storage area and in closed containers.

HANDLING: Handle in a well ventilated work space. Do not reuse containers.

SECTION VIII -- EXPOSURE CONTROL/PERSONAL PROTECTION

RESPIRATORY PROTECTION: None required when handling at normal temps. NIOSH approved supplied air respirator should be used for cleaning large spills or upon entry into vessels, tanks or confined spaces or when exposure levels are likely to exceed limits.

VENTILATION: Local exhaust.

EYE PROTECTION: Chemical splash goggles recommended.

PROTECTIVE CLOTHING: Impervious gloves recommended.

OTHER: None.

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SECTION IX -- PHYSICAL AND CHEMICAL PROPERTIES

BOILING/MELTING POINT @ 760 mm Hg: >212°F
VAPOR PRESSURE mm Hg @ 20°C: N/D
SPECIFIC GRAVITY OR BULK DENSITY: 1.0 - 1.1
SOLUBILITY IN WATER: Complete
APPEARANCE: Clear Liquid
ODOR: Slight Odor
pH: 7 - 8

SECTION X -- STABILITY AND REACTIVITY

STABILITY: Stable
CHEMICAL INCOMPATIBILITY: Keep away from strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, oxides of sulfur.
HAZARDOUS POLYMERIZATION: Does not occur
CONDITIONS TO AVOID: Heat, sparks and open flame.
CORROSIVE TO METAL: No
OXIDIZER: No

SECTION XI -- TOXICOLOGICAL INFORMATION

EFFECTS OF OVEREXPOSURE

INHALATION: High concentration of vapors or mists may cause headache, nausea, irritation to nose and throat. (i.e. confined spaces)
(Glycerin TWA 10 mg/m³ for dust, 5 mg/m³ for respirable fraction)

SKIN: Prolonged contact may cause irritation, local redness and mild discomfort.

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EYES: Slightly irritating to eyes.

INGESTION: May be irritating to digestive tract.

<u>CATEGORY</u>	<u>HMIS</u>	<u>NEPA</u>
Health	1	1
Flammability	1	1
Reactivity	0	0
Special	--	--

SECTION XII -- ECOLOGICAL INFORMATION

Aquatic toxicity rating (LC50) 96hr greater than 1000ppm.
This material is not expected to present any environmental problem.

SECTION XIII -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Comply with all federal, state and local laws, regulations and procedures.

CONTAINER DISPOSAL: Do not re-use containers.

SECTION XIV -- TRANSPORTATION INFORMATION

D.O.T. PROPER SHIPPING NAME (49CFR172.101): None
HAZARDOUS SUBSTANCE (40CFR116): N/A
REPORTABLE QUANTITY (RQ): N/A
D.O.T. HAZARD CLASSIFICATION (49CFR172.101): Non-regulated
D.O.T. PLACARDS REQUIRED: None

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POISON CONSTITUENT (49CFR173.343): N/A
BILL OF LADING DESCRIPTION: Liquid foaming agent
C NO.: N/A
UN/NA CODE: N/A

SECTION XV-- REGULATORY INFORMATION

MOFOAM DC is not a restricted article according to the Department of Transportation and International Air Transport Association regulations.

EPA SARA Title III hazard class: None
OSHA HCS hazard class: Irritant (29CFR1910.1200)
**EPA SARA Title III Section 313(40CFR372)
Toxic Chemicals present in quantities greater
than the "de minimus" level are:** None
WHMIS Classification: The Canadian Workplace Hazardous Materials Information System (WHMIS) Classification: D2B - eye or skin irritant

SECTION XVI -- OTHER INFORMATION

ABBREVIATIONS AND SYMBOLS:

N/D -Not Determined
< - Less Than

N/A -Not Applicable
> - Greater Than

N/T -Not Tested