

I. Identification of the Substance/Preparation and of the Company

Trade Name: ANSULITE 6% AFFF (AFC-5)
 Manufacturer/Supplier: ANSUL INCORPORATED
 Address: One Stanton Street, Marinette, WI 54143-2542
 Prepared by: Safety and Health Department
 Phone: 715-735-7411
 Fax: 715-732-3472
 Internet/Home Page: <http://www.ansul.com>
 Emergency Phone Number: CHEMTREC 800-424-9300 or 703-527-3887
 Date of Issue: February 2002

II. Composition/Information on Ingredients

Component	Wt. %	CAS No.	EINECS	Class, R, and S Phrases
Proprietary mixture of hydrocarbon surfactants, fluorosurfactants, inorganic salts, and water.				
Not otherwise specified:	>80	Not applicable	Listed	(See Section XV)
Diethylene Glycol Monobutyl Ether(a):	19	112-34-5	203-961-6	(See Section XV)
1-Propanol:	0.2	71-23-8	200-746-9	(See Section XV)
Hexylene Glycol:	0.3	107-41-5	203-489-0	(See Section XV)

(a) This chemical is subject to reporting requirements of SARA Title III Section 313 and 40 CFR Section 372.

III. Hazards Identification
For Humans
Threshold Limit Values:
Diethylene Glycol Monobutyl Ether:

ACGIH TLV-TWA

600 ppm.

OSHA PEL (General Industry) 8 hour TWA:

1000 ppm (2950 mg/m³).

1-Propanol:

ACGIH TLV-STEL

250 ppm (skin).

ACGIH TLV-TWA

200 ppm (skin).

OSHA PEL (General Industry) 8 hour TWA:

200 ppm (500 mg/m³).

Hexylene Glycol:

ACGIH TLV-CL

25 ppm.

Signs and Symptoms:
Acute Exposure:

Eye Contact:

May cause mild to moderate transient irritation.

Inhalation:

Not an expected route of entry.

Skin Contact:

May cause mild transient irritation and/or dermatitis.

Ingestion:

Irritating to mucous membranes. Large oral doses could produce narcosis.

Chronic Overexposure:

Kidney, liver, gastrointestinal, and spleen.

Medical Conditions Generally Aggravated by Exposure: Prior diseases of the kidney and liver.

Chemical Listed as Carcinogen or Potential Carcinogen:

 National Toxicology Program ☒ No

 I.A.R.C. Monographs ☒ No

 OSHA ☒ No

For Environment:

(See Section XII).

WHMIS Information:

IV. First-Aid Measures

Inhalation: Remove victim to fresh air. Seek medical attention if discomfort continues.
 Eye Contact: Flush with large amounts of water. If irritation persists, seek medical attention.
 Skin Contact: Wash thoroughly with soap and water. If irritation persists, seek medical attention.
 Ingestion: If patient is conscious, give large amounts of water and induce vomiting. Seek medical help.

V. Fire-Fighting Measures

Extinguishing Media: THIS IS AN EXTINGUISHING AGENT.
Special Procedures: None.
Unusual Fire and Explosion Hazards: None.

VI. Accidental Release Measures

Personal Precautions:
Respiratory Protection: (See Section VIII)
Hand Protection: (See Section VIII)
Eye Protection: (See Section VIII)
Skin and Body Protection: (See Section VIII)
Clean up Precautions: Stop leaks. Contain spill. Remove as much as possible. Place in closed container for proper disposal. Wash spill area with large amounts of water to remove traces as material is very slippery. Prevent material from reaching sewers or waterways to avoid nuisance foaming.
Waste Disposal Methods: (See Section XIII)

VII. Handling and Storage

Handling: Avoid skin and eye contact. Avoid ingestion. Do not mix with other fire fighting agents. See incompatibility information in Section X.
Storage: Store in original container. Keep tightly closed.

VIII. Exposure Controls/Personal Protection

Respiratory: None expected to be needed.
Mechanical ventilation is recommended.
Hand: Rubber or latex gloves are recommended.
Eye: Chemical goggles are recommended.
Skin and Body: Standard fire fighting safety equipment should provide all protection which is necessary..
Other: Eye wash and safety showers are good safety practices.

IX. Physical and Chemical Properties

Appearance: Clear Liquid.
Color: Straw yellow.
Odor: Mild sweet odor.
Specific gravity (H₂O =1): 1.02.
Solubility in Water: Miscible.
pH (If in water, % Conc.): Not determined
Boiling Point: 97 °C.
Vapor Pressure (mm Hg): Not determined
Vapor Density (Air =1): <1.
Evaporation Rate
(Butyl acetate =1): 0.48.
Percent volatile by volume (%): ca. 95.
Flash Point: None to boiling.
Flammable limits in Air
(% by volume): Not applicable.
Autoflammability: Not applicable.
Explosive Properties: None.
Oxidizing Properties: None.

X. Stability and Reactivity

Stability:	Stable ☒	Unstable ☐
Conditions to Avoid:	None known.	
Hazardous Reactions:	Will not occur ☒	May occur ☐
Conditions to Avoid:	None known.	
Materials to Avoid:	Any material reactive with water, electrically energized equipment, or strong oxidizers.	
Hazardous Decomposition Products:	Not known, however, oxides of nitrogen and sulfur may be produced during fire conditions.	

XI. Toxicological Information

Product: The toxicity of the product mixture has not been determined.

Components:

Diethylene glycol monobutyl ether:

Irritation Data:	Eye (rabbit)	20 mg/24 hrs	Moderate
Toxicity Data:	Oral (rat) LD ₅₀	5660 mg/kg.	
	Dermal (rabbit) LD ₅₀	2700 mg/kg.	
Target organs:	Kidney, lungs, gastrointestinal, spleen.		

1-Propanol:

Irritation Data:	Skin (rabbit)	500 mg	Open	Mild.
	Eye (rabbit)	20 mg/24 hrs	Moderate.	
Toxicity Data:	Oral (rat) LD ₅₀	1870 mg/kg		
	Inhalation (mouse) LC ₅₀	48 gm/m ³ .		
Target organs:	Nerves, liver.			

Hexylene glycol:

Irritation Data:	Skin (rabbit)	465 mg/24 hrs	Moderate.
	Eye (rabbit)	93 mg	Severe.
Toxicity Data:	Oral (rat) LD ₅₀	3700 mg/kg	
	Inhalation (rat) LC ₅₀	>310 mg/m ³ /1 hr.	
Target organs:	Sense organs, lungs, kidney.		

XII. Ecological Information

Mobility:	Not determined.
Absorption/Desorption:	Not determined.
Degradability:	Not determined.
Biotic and Abiotic Degradation:	Not determined.
Aerobic and Anaerobic Degradation:	Not determined.
Persistence:	Not determined.
Accumulation:	Not determined.
Bioaccumulation Potential:	Not determined.
Biomagnification:	Not determined.
Short and Long Term Effects on:	
Ecotoxicity:	Not determined.
Aquatic Organisms:	Not determined.
Soil Organisms:	Not determined.
Plants and Terrestrial animals:	Not determined.
Other Adverse Effects:	Not determined.
Ozone Depletion Potential:	Not determined.
Photochemical Ozone Creation Potential:	Not determined.
Global Warming Potential:	Not determined.
Effects on Waste Water Treatment Plants:	Not determined.

XIII. Disposal Considerations

Dispose of in Compliance with local, state, and national regulations.

XIV. Transport Information

Hazard Class or Division:	Not hazardous.
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For additional transport information, contact Ansul Incorporated.

XV. Regulatory Information**Product:**

EU Classification:	Xi.	Irritant.
R Phrases:	36	Irritating to eyes.
S Phrases:	26	In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.
	36	Wear suitable protective clothing.

Components:**Diethylene Glycol Monobutyl Ether:**

EU Classification:	Xi.	Irritant.
R Phrases:	36	Irritating to eyes.
S Phrases:	26	In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.
	36	Wear suitable protective clothing.

1-Propanol:

EU Classification:	F, Xn	Highly Flammable, harmful.
R Phrases:	11	Highly flammable.
	41	Risk of serious damage to eyes.
	67	Vapors may cause drowsiness and dizziness.
S Phrases:	7	Keep container tightly closed.
	16	Keep away from sources of ignition – No smoking.
	24	Avoid contact with skin.
	26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	39	Wear eye/face protection.

Hexylene Glycol:

EU Classification:	Xi.	Irritant.
R Phrases:	36/38	Irritating to eyes and skin.
S Phrases:	26	In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.
	36	Wear suitable protective clothing.

Limit Values for Exposure:**Diethylene Glycol Monobutyl Ether:**

ACGIH TLV-TWA	600 ppm.
OSHA PEL (General Industry) 8 hour TWA:	1000 ppm (2950 mg/m ³).

1-Propanol:

ACGIH TLV-STEL	250 ppm (skin).
ACGIH TLV-TWA	200 ppm (skin).
OSHA PEL (General Industry) 8 hour TWA:	200 ppm (500 mg/m ³).

Hexylene Glycol:

ACGIH TLV-CL	25 ppm.
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EINECS Status: All components are included in EINECS inventories.

Restrictions on Marketing and Use: None

Refer to any other national measures that may be relevant.

XVI. Other Information

None known.

XVII. Disclaimer

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