

LISTED

ANSUL®

ANSUL INCORPORATED
MARINETTE, WI 54143-2542

ANSULITE 6% AFFF (AFC-3) MATERIAL SAFETY DATA SHEET
ACCORDING TO 93/112/EEC

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

Trade Name: ANSULITE 6% AFFF (AFC-3)
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:	>95	Not applicable	Listed	(See Section XV)
Diethylene Glycol Monobutyl Ether(a):	4	112-34-5	203-961-6	(See Section XV)
Tertiary Butyl Alcohol(a):	0.2	75-65-0	200-889-7	(See Section XV)
Hexylene Glycol:	0.2	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: 600 ppm (2950 mg/m³).
Tertiary Butyl Alcohol:
ACGIH TLV-TWA 100 ppm.
OSHA PEL (General Industry) 8 hour TWA: 100 ppm (1900 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:  D2B – Product may irritate skin or mucous membrane.

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): 0.46.
Percent volatile by volume (%): ca. 94.
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) LD₅₀ 5660 mg/kg.
Dermal (rabbit) LD₅₀ 2700 mg/kg.
Target organs: Kidney, lungs, gastrointestinal, spleen.

Tertiary butyl alcohol:

Irritation Data: Skin (rabbit) 500 ul/24 hrs Mild.
Eye (rabbit) 100 ul/24 hrs Severe.
Toxicity Data: Oral (rat) LD₅₀ 2743 mg/kg
Inhalation (rat) LC₅₀ >10,000 ppm/4 hrs
Target organs: Liver, skin.

Hexylene glycol:

Irritation Data: Skin (rabbit) 465 mg/24 hrs Moderate.
Eye (rabbit) 93 mg Severe.
Toxicity Data: Oral (rat) LD₅₀ 3700 mg/kg
Inhalation (rat) LC₅₀ >310 mg/m³/1 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.
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.

Tertiary Butyl Alcohol:

EU Classification:	F, Xn.	Highly Flammable, Harmful.
R Phrases:	11	Highly flammable.
	20	Harmful by inhalation.
S Phrases:	9	Keep container in a well-ventilated place.
	16	Keep away from sources of ignition – No smoking.

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).

Tertiary Butyl Alcohol:

ACGIH TLV-TWA	100 ppm.
OSHA PEL (General Industry) 8 hour TWA:	100 ppm (1900 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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