



# MATERIAL SAFETY DATA SHEET

by Tyco Fire Suppression & Building Products

## ANSULITE 3% AFFF (AFC-3-A)

Product Code: 1010-2-016 ANa

Issue Date: 05-19-2011

### 1. Product and Company Identification

**Material name** ANSULITE 3% AFFF (AFC-3-A)  
**Version #** 02  
**Revision date** 05-19-2011  
**CAS #** Mixture  
**Product Code** 1010-2-016 ANa  
**Product use** Fire extinguishing agent  
**Manufacturer / Importer / Supplier**  
**Name** Tyco Fire Protection Products  
**Address** One Stanton Street  
Marinette, WI 54143-2542  
**Phone** 715-735-7411  
**Internet** <http://www.ansul.com>  
**Emergency Phone Number** CHEMTREC 800-424-9300 or 703-527-3887

### 2. Hazards Identification

**Emergency overview** WARNING! Causes skin and eye irritation.  
**Potential health effects**  
**Routes of exposure** Eye contact. Skin contact. Inhalation. Ingestion.  
**Eyes** Do not get this material in contact with eyes.  
**Skin** Avoid contact with the skin.  
**Inhalation** Do not breathe vapor. May be irritating.  
**Ingestion** Not a likely route of entry.  
**Target organs** Eyes. RESPIRATORY SYSTEM. Skin. Central nervous system.  
**Signs and symptoms** Irritation of nose and throat. Irritation of eyes and mucous membranes. Defatting of the skin. Rash. Skin irritation.

### 3. Composition / Information on Ingredients

Components	CAS #	Percent
DIETHYLENE GLYCOL MONOBUTYL ETHER	112-34-5	7 - 13
Other components below reportable levels		> 60

### 4. First Aid Measures

**First aid procedures**  
**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing.  
**Skin contact** Wash off with warm water and soap. Get medical attention if irritation develops and persists.  
**Inhalation** Move to fresh air.  
**Ingestion** Rinse mouth. Do not induce vomiting without advice from poison control center. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.  
**General advice** If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

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## 5. Fire Fighting Measures

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### Extinguishing media

**Suitable extinguishing media** This product is not flammable. Use extinguishing agent suitable for type of surrounding fire.

### Protection of firefighters

**Specific hazards arising from the chemical** None known.

**Protective equipment for firefighters** None known.

**Special protective equipment for fire-fighters** None known.

**Specific methods** None known.

### Explosion data

**Sensitivity to mechanical impact** Not available.

**Sensitivity to static discharge** Not available.

**Hazardous combustion products** May include oxides of nitrogen.

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## 6. Accidental Release Measures

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**Personal precautions** Local authorities should be advised if significant spillages cannot be contained. Surfaces may become slippery after spillage.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**Methods for containment** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas.

**Methods for cleaning up** Should not be released into the environment.

Large Spills: Dike far ahead of spill for later disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece).

Never return spills in original containers for re-use. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination.

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## 7. Handling and Storage

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**Handling** Do not get this material in contact with eyes. Avoid contact with skin. Avoid prolonged exposure. Handle and open container with care.

**Storage** Store in cool place. Store in a well-ventilated place. Keep container tightly closed. Keep out of the reach of children. Use care in handling/storage.

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## 8. Exposure Controls / Personal Protection

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**Engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Personal protective equipment

**Eye / face protection** Do not get in eyes. Wear approved chemical safety glasses or goggles where eye exposure is reasonably probable.

**Skin protection** Wear appropriate chemical resistant clothing. Chemical resistant gloves.

**Respiratory protection** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

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## 9. Physical & Chemical Properties

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### Appearance

**Form** Liquid.

**Color** Light yellow. Clear.

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<b>Odor</b>	Mild. Sweet.
<b>Physical state</b>	Liquid.
<b>pH</b>	6.5 - 8.5
<b>Melting point</b>	Not available.
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	206.6 °F (97 °C)
<b>Flash point</b>	> 212 °F (> 100 °C)
<b>Evaporation rate</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	1.02
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.

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## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	Alkaline metals. Strong acids, alkalies and oxidizing agents.
<b>Hazardous decomposition products</b>	Nitrogen oxides (NOx). Sulfur oxides. Carbon oxides.

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## 11. Toxicological Information

<b>Toxicological information</b>	The toxicity of this product has not been tested.
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### Toxicological data

Components	Test Results
DIETHYLENE GLYCOL MONOBUTYL ETHER (112-34-5)	Acute Dermal LD50 Rabbit: 2700 mg/kg Acute Oral LD50 Guinea pig: 2000 mg/kg Acute Oral LD50 Rabbit: 2200 mg/kg Acute Oral LD50 Rat: 6560 mg/kg Acute Other LD50 Mouse: 850 mg/kg Acute Other LD50 Rat: 500 mg/kg

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## 12. Ecological Information

### Ecotoxicological data

Components	Test Results
DIETHYLENE GLYCOL MONOBUTYL ETHER (112-34-5)	EC50 Algae: > 100 mg/l 96.00 Hours EC50 Water flea (Daphnia magna): 3184 mg/l 24.00 hours LC50 Bluegill (Lepomis macrochirus): 1300 mg/l 96.00 hours
<b>Ecotoxicity</b>	Not expected to be harmful to aquatic organisms.
<b>Environmental effects</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Persistence and degradability</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available

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## 13. Disposal Considerations

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<b>Disposal instructions</b>	Dispose of contents/container in accordance with local/regional/national/international regulations. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.

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## 14. Transport Information

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### TDG

Not regulated as dangerous goods.

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## 15. Regulatory Information

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<b>Canadian regulations</b>	This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.
<b>WHMIS status</b>	Controlled
<b>WHMIS classification</b>	D2B - Other Toxic Effects-TOXIC
<b>WHMIS labeling</b>	



### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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## 16. Other Information

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<b>Further information</b>	HMIS® is a registered trade and service mark of the NPCA.
<b>HMIS® ratings</b>	Health: 1 Flammability: 0 Physical hazard: 0
<b>NFPA ratings</b>	Health: 1 Flammability: 0 Instability: 0
<b>Disclaimer</b>	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
<b>Issue date</b>	05-19-2011
<b>This data sheet contains changes from the previous version in section(s):</b>	Product and Company Identification: Product and Company Identification