



# MATERIAL SAFETY DATA SHEET

by Tyco Fire Suppression & Building Products

## ANSUL 3% FLUOROPROTEIN FOAM CONCENTRATE

Product Code: 1050-3-001 SBg

Issue Date: 10-07-2011

### 1. Product and Company Identification

**Material name** ANSUL 3% FLUOROPROTEIN FOAM CONCENTRATE  
**Version #** 05  
**Revision date** 10-07-2011  
**CAS #** Mixture  
**Product Code** 1050-3-001 SBg  
**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** Causes skin and eye irritation.  
**OSHA regulatory status** NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.  
**Potential health effects**  
**Routes of exposure** Eye contact. Skin contact.  
**Skin** Avoid contact with the skin. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.  
**Inhalation** May be irritating.  
**Ingestion** Not a likely route of entry.  
**Target organs** Eyes. Skin.  
**Chronic effects** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.  
**Signs and symptoms** Defatting of the skin. Skin irritation.

### 3. Composition / Information on Ingredients

Components	CAS #	Percent
POLYETHYLENE GLYCOL	25322-68-3	2.5 - 10
Other components below reportable levels		> 90

### 4. First Aid Measures

**First aid procedures**  
**Eye contact** Rinse with water.  
**Skin contact** Get medical attention if irritation develops and persists.  
**Inhalation** Move to fresh air. Get medical attention, if needed.  
**Ingestion** Rinse mouth.  
**Notes to physician** Symptoms may be delayed.  
**General advice** If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance.

### 5. Fire Fighting Measures

**Flammable properties** This product is not flammable.

<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	This product is not flammable. Use extinguishing agent suitable for type of surrounding fire.
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	None known.
<b>Specific methods</b>	None known.
<b>Hazardous combustion products</b>	May include oxides of nitrogen.

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## 6. Accidental Release Measures

<b>Personal precautions</b>	Surfaces may become slippery after spillage.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
<b>Methods for containment</b>	Dike the spilled material, where this is possible.
<b>Methods for cleaning up</b>	Large Spills: 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.

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## 7. Handling and Storage

<b>Handling</b>	Avoid contact with skin.
<b>Storage</b>	Keep container tightly closed.

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## 8. Exposure Controls / Personal Protection

<b>Engineering controls</b>	None known.
<b>Personal protective equipment</b>	
<b>Respiratory protection</b>	Not normally needed.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin.

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## 9. Physical & Chemical Properties

<b>Appearance</b>	
<b>Form</b>	Liquid.
<b>Color</b>	Brown.
<b>Odor</b>	Not available.
<b>Physical state</b>	Liquid.
<b>pH</b>	6.5 - 7.5
<b>Melting point</b>	Not available.
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	212 °F (100 °C)
<b>Flash point</b>	Not available.
<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>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	completely soluble

<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>VOC</b>	Not available.
<b>Pour point</b>	< 10.4 °F (< -12 °C)

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	This is a stable material.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	Alkaline metals.
<b>Hazardous decomposition products</b>	Nitrogen oxides (NOx). Sulfur oxides. Carbon oxides.

## 11. Toxicological Information

<b>Toxicological information</b>	The toxicity of this product has not been tested.
<b>Local effects</b>	Irritating to eyes. Mild skin irritation
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

## 12. Ecological Information

### Ecotoxicological data

Components	Test Results
POLYETHYLENE GLYCOL (25322-68-3)	LC50 Atlantic salmon (Salmo salar): > 1000 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>Aquatic toxicity</b>	Not known.
<b>Persistence and degradability</b>	Not available.

## 13. Disposal Considerations

<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.
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## 14. Transport Information

### DOT

Not regulated as dangerous goods.

## 15. Regulatory Information

<b>US federal regulations</b>	Not regulated. All components are on the U.S. EPA TSCA Inventory List.
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### CERCLA (Superfund) reportable quantity

None

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

<b>Hazard categories</b>	Acute Health - No Chronic Health - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

### 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)	Yes

Country(s) or region	Inventory name	On inventory (yes/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)

**State regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

## 16. Other Information

<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.
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