



# SAFETY DATA SHEET

## ANSULITE 1% AFFF

Product Code: 1010-2-023-Ana

Issue Date: 4-30-2013

### Section 1 : Identification of the Material and Supplier

Product name	ANSULITE 1% AFFF
Version #	02
Revision date	4-30-2013
CAS #	Mixture
Product Code	1010-2-023-Ana
Recommended Use	Fire Extinguishing Agent
Importer / Supplier	Tyco Fire Protection Products
Address	Level 3, 95 Conventry Street Southbank, Australia – Victoria 3006
Telephone No.	61 3 9313 9711
Emergency Tel No.	1300 725 688

### Section 2 : Hazard Identification

#### HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS



Xi-Irritant

Risk Phrase R36 Irritating to eyes  
Avoid contact with skin and eyes.  
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

### Section 3 : Composition / Information on Ingredients

Components	CAS #	Percent
Other components below reportable levels	-	60 – 80%
Butyl Carbitol	112-34-5	20 – 40%



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### Section 4 : First Aid Measures

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#### Description of Necessary First Aid Measures

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. For breathing difficulties, oxygen may be necessary. Get medical attention if needed.
Ingestion	Rinse mouth. Do not induce vomiting without advice from poison control centre. IF SWALLOWED : Immediately call a POISON CENTRE or doctor. If vomiting occurs, keep head low so that stomach content does not get into the lungs.
Notes to Doctor	Symptoms may be delayed.
General Advice	If you feel unwell, seek medical advice. 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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### Section 5 : Fire Fighting Measures

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Flammable Properties	No unusual fire or explosion hazards noted.
Suitable Extinguishing Media	This product is not flammable. Use extinguishing agent suitable for type of surrounding fire.
Protection of Fire Fighters	Wear protective equipment appropriate for the surrounding fire conditions.
Specific Methods	In the event of fire, cool tanks with water spray.
Hazardous Combustion Products	May include oxides of nitrogen.
HazChem Code	Not Applicable.



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### Section 6 : Accidental Release Measures

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Emergency Procedures	Prevent eye and skin contact. See Heading 8.
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	<p>Should not be released into the environment.</p> <p>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.</p> <p>Small Spills : Wipe up with absorbent material (eg cloth, fleece).</p> <p>Never return spills in original containers for re-use. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination.</p>

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### Section 7 : Handling and Storage

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Precautions for Safe Handling	Do not get this material in contact with eyes. Avoid contact with skin. Avoid prolonged exposure. Handle and open container with care.
Conditions for Safe Storage	Store in cool place. Store in well-ventilated place. Keep container tightly closed. Keep out of the reach of children. Use care in handling/storage.



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### Section 8 : Exposure Controls / Personal Protection

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Exposure Standards                      No exposure standard allocated.

Biological Limit Values                No biological limit allocated.

#### Personal Protection Equipment

Eye / Face Protection                Do not get in eyes. Wear approval 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 certified respirators.

General Hygiene Considerations      When using do not smoke. Avoid contact with skin. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

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### Section 9 : Physical and Chemical Properties

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#### Appearance :

Form	Liquid
Color	Light yellow. Clear.
Odor	Mild. Sweet
Physical state	Liquid
pH	6.5 – 8.5
Melting Point	-59.19 °C estimated
Freezing Point	Not available



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Boiling Point	95 °C
Flash Point	Not available
Evaporation Rate	Not available
Flammability limits in air, upper % by volume	Not available
Flammability limits in air, lower % by volume	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Specific Gravity	1.05
Relative Density	Not available
Solubility (water)	Not available
Partition Coefficient (n-octanol/water)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
VOC	Not available

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### Section 10 : Stability and Reactivity

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Chemical Stability	Material is stable under normal conditions.
Conditions to Avoid	None known.
Incompatible materials	Alkaline metals. Strong acids, alkalies and oxidizing agents.
Hazardous Decomposition Products	Nitrogen oxides (NOx). Sulfur oxides. Carbon oxides.



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### Section 11 : Toxicological Information

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Toxicological Information                      The toxicity of this product has not been tested.

Toxicological Data :

Components	Test Results
Butyl Carbitol (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 : 500mg/kg

Local Effects                      Components of the product may be absorbed into the body through the skin.  
Contact may irritate or burn eyes.

Carcinogenicity                      This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.

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### Section 12 : Ecological Information

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Ecotoxicological Data :

Components	Test Results
Butyl Carbitol (112-34-5)	EC50 Algae: > 100mg/l 96.00 hours
	EC50 Water flea (Daphnia magna): 3184mg/l 24.00 hours
	LC50 Bluegill (Lepomis macrochirus): 1300mg/l 96.00 hours



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Ecotoxicity	Contains a substance which causes risk of hazardous effects to the environment.
Bioaccumulative Potential	Not available.
Mobility	Not available.
Persistence and Degradability	Not available.
Environmental Effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Aquatic Toxicity	Not available.

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### Section 13 : Disposal Considerations

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Disposal Instructions	Dispose of contents/container in accordance with local, state and Commonwealth regulations.
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### Section 14 : Transport Information

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ADG, IATA, IMDG

Not regulated as dangerous goods.

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### Section 15 : Regulatory Information

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National Regulations	This Material Safety Data Sheet was prepared in accordance with the Australian National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals (Dec 2011)
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### Inventory Status :

Country(s) or Region	Inventory Name	On Inventory (yes/no)*
Australia	Australia Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-domestic Substances List (NDSL)	No
China	Inventory of Existing Commercial Substances (IECSC)	No
Europe	European Inventory of Commercial Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ENCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippines Inventory of Chemicals and Chemical Substances (PICCS)	No
United States	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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### Section 16 : Other Information

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**Disclaimer**                      The information provided on 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.

**Issue Date**                      April 2013