



## Safety Data Sheet

This safety data sheet complies with the requirements of: WHS regulation 2011

**Product name** ANSULITE AFC3IB1 3% AFFF 1000L S/A (DC)

### Section 1: Identification: Product identifier and chemical identity

#### Product Identifier

**Product name** ANSULITE AFC3IB1 3% AFFF 1000L S/A (DC)

**Product code** 445947

#### Other means of identification

**Pure substance/mixture** Mixture

#### Recommended use of the chemical and restrictions on use

**Sold to the general public** No  
**Recommended use** Fire extinguishing agent

**Uses advised against** Consumer use

#### Details of manufacturer or importer

##### Supplier

Johnson Controls  
Level 3, 37 Dalmore Dr,  
Scoresby, VIC 3178,  
Australia  
Tel: +1300 725 688

#### For further information, please contact

Product Stewardship at 1-715-735-7411

#### Emergency Telephone Number

612 9037 2994 ( Australia)

### Section 2: Hazard(s) identification

#### GHS - Classification

Serious eye damage/eye irritation Category 2 - (H319)

#### Label Elements

Exclamation mark



Product code 445947

Product name ANSULITE  
AFC3IB1 3% AFFF 1000L S/A  
(DC)

PAGE 2 / 10



**Signal word**  
WARNING

**Hazard statements**  
H319 - Causes serious eye irritation

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention

**Other Hazards**

**Section 3: Composition and information on ingredients, in accordance with Schedule 8**

**Substance**

Not Applicable

**Mixture**

Chemical name	CAS No	weight-%
2-(2-Butoxyethoxy)ethanol	112-34-5	10 - 20%
D-Glucopyranoside, C9-C11 Oligomer	132778-08-6	0 - 10%
Polyfluorinated alkyl betaine	-	0 - 10%
Non-hazardous ingredients	Proprietary	Balance

**Section 4: First aid measures**

**Description of first aid measures**

**General advice** Show this safety data sheet to the doctor in attendance.

**Emergency telephone number** Poisons Information Center, Australia: 13 11 26  
Poisons Information Center, New Zealand: 0800 764 766

**Inhalation** Remove to fresh air.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

**Skin contact** Wash skin with soap and water.



Product code 445947

/ Product name ANSULITE /  
AFC3IB1 3% AFFF 1000L S/A  
(DC)

PAGE 3 / 10

**Ingestion** Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.

**Self-protection of the first aider** Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

**Most Important Symptoms and Effects, Both Acute and Delayed**

**Symptoms** Burning sensation.

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

**Note to physicians** Treat symptomatically.

**Section 5: Firefighting measures**

**Suitable extinguishing media**

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** No information available.

**Specific Hazards Arising from the Chemical**

**Specific hazards arising from the chemical** No information available.

**Hazardous Combustion Products** Carbon oxides. Fluorinated oxides. Nitrogen oxides (NOx). Oxides of sulphur.

**Special Protective Actions for Fire-Fighters**

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**Section 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Other Information** Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental Precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labelled containers.



Product code 445947

Product name ANSULITE  
AFC3IB1 3% AFFF 1000L S/A  
(DC)

PAGE 4 / 10

### Precautions to prevent secondary hazards

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## **Section 7: Handling and storage, including how the chemical may be safely used**

### Precautions for Safe Handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

**General hygiene considerations** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** None known based on information supplied.

## **Section 8: Exposure controls and personal protection**

### Control Parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Appropriate Engineering Controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** If splashes are likely to occur, wear safety glasses with side-shields.

**Skin and body protection** Wear suitable protective clothing.

**Hand protection** Wear suitable gloves.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental exposure controls** No information available.

## **Section 9: Physical and chemical properties**

### Information on basic physical and chemical properties

**Physical State** Liquid  
**Appearance** No data available  
**Colour** Amber



Product code 445947

/ Product name ANSULITE /  
AFC3IB1 3% AFFF 1000L S/A  
(DC)

PAGE 5 / 10

Odour Characteristic.  
Odour Threshold No data available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	7 - 8.5	
Melting point/freezing point	No data available	No data available
Boiling point / boiling range	No data available	No data available
Flash Point	-	No data available
Evaporation Rate	No data available	No data available
Flammability (solid, gas)	No data available	No data available
Flammability limit in air		No data available
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapour Pressure	No data available	No data available
Vapour Density	No data available	No data available
Relative Density	No data available	No data available
Water Solubility	No data available	No data available
solubility(ies)	No data available	No data available
Partition coefficient	No data available	No data available
Autoignition Temperature	No data available	No data available
Decomposition Temperature	No data available	No data available
Kinematic viscosity	No data available	No data available
Dynamic viscosity	No data available	No data available

#### OTHER INFORMATION

softening point	No data available
Molecular Weight	No data available
VOC content (%)	16.6914
Density	1.01 - 1.04
Bulk Density	No data available

### Section 10: Stability and reactivity

#### Reactivity

Reactivity No information available.

#### Chemical Stability

Stability Stable under normal conditions.

#### Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

#### Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous Polymerisation Hazardous polymerisation does not occur.

#### Conditions to Avoid



Product code 445947

Product name ANSULITE  
AFC3IB1 3% AFFF 1000L S/A  
(DC)

PAGE 6 / 10

**Conditions to avoid** None known based on information supplied.

**Incompatible Materials**

**Incompatible materials** None known based on information supplied.

**Hazardous decomposition products**

**Hazardous decomposition products** Carbon oxides. Nitrogen oxides (NOx). Oxides of sulphur. Fluorinated oxides.

**Section 11: Toxicological information**

**11.1. Information on Likely Routes of Exposure**

**Product information**

**Inhalation** No data available.  
**Eye Contact** Severely irritating to eyes.  
**Skin contact** No data available.  
**Ingestion** No data available.

**Component Information**

**Acute Toxicity**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
2-(2-Butoxyethoxy)ethanol 112-34-5	= 5660 mg/kg ( Rat )	= 2700 mg/kg ( Rabbit )	-

**11.2. Information on Toxicological Effects**

**Symptoms** No information available.

**11.3. Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Serious eye damage/eye irritation** Severely irritating to eyes.  
**Carcinogenicity** No information available.  
**Reproductive Toxicity** No information available.  
**STOT - Single Exposure** No information available.  
**STOT - Repeated Exposure** No information available.  
**Aspiration Hazard** No information available.

**11.4. Numerical Measures of Toxicity - Product information**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 15447 mg/kg  
**ATEmix (dermal)** 16682 mg/kg

**Section 12: Ecological information**

**Ecotoxicity**

**Ecotoxicity** The environmental impact of this product has not been fully investigated.



Product code 445947

Product name ANSULITE  
AFC3IB1 3% AFFF 1000L S/A  
(DC)

PAGE 7 / 10

Chemical name	Algae/aquatic plants	Fish	Toxicity to Micro-organisms	Crustacea
2-(2-Butoxyethoxy)ethanol	EC50 (96h) > 100 mg/L Desmodesmus subspicatus	LC50 (96h) static = 1300 mg/L Lepomis macrochirus	-	EC50 (48h) > 100 mg/L Daphnia magna EC50 (24h) = 2850 mg/L Daphnia magna

### Concentrate

Method	Biological Test Method: Acute Lethality Test Using Daphnia ssp. (EPS 1/RM/11)
Species	Daphnia magna
Endpoint type	LC50
Effective dose	2,220 mg/L
Exposure time	48h

Method	Biological Test Method: Acute Lethality Test Using Daphnia ssp. (EPS 1/RM/11)
Species	Daphnia magna
Endpoint type	EC50
Effective dose	1,790 mg/L
Exposure time	48h

Method	Biological Test Method: Acute Lethality Test Using Rainbow Trout (EPS 1/RM/9)
Species	Oncorhynchus mykiss (rainbow trout)
Endpoint type	LC50
Effective dose	1,270 mg/L
Exposure time	96h

### 3% Solution

Method	Biological Test Method: Acute Lethality Test Using Daphnia ssp. (EPS 1/RM/11)
Species	Daphnia magna
Endpoint type	LC50
Effective dose	106,000 mg/L
Exposure time	48h

Method	Biological Test Method: Acute Lethality Test Using Daphnia ssp. (EPS 1/RM/11)
Species	Daphnia magna
Endpoint type	EC50
Effective dose	106,000 mg/L
Exposure time	48h

Method	Biological Test Method: Acute Lethality Test Using Rainbow Trout (EPS 1/RM/9)
Species	Oncorhynchus mykiss (rainbow trout)
Endpoint type	LC50
Effective dose	188,600 mg/L
Exposure time	96h

### Persistence and Degradability

Concentrate	430,000
3% Solution	13,000



Product code 445947

Product name ANSULITE  
AFC3IB1 3% AFFF 1000L S/A  
(DC)

PAGE 8 / 10

**Concentrate Biological Oxygen Demand (mg/L)**

Biological Oxygen Demand (5 Day)	<120000
%BOD/COD	23.26
Biological Oxygen Demand (10 Day)	270000
%BOD/COD	62.79
Biological Oxygen Demand (15 Day)	310000
%BOD/COD	72.09
Biological Oxygen Demand (20 Day)	330000
%BOD/COD	76.74

**3% Solution Biological Oxygen Demand (mg/L)**

Biological Oxygen Demand (5 Day)	3000
%BOD/COD	23.08
Biological Oxygen Demand (10 Day)	8400
%BOD/COD	64.62
Biological Oxygen Demand (15 Day)	9500
%BOD/COD	73.08
Biological Oxygen Demand (20 Day)	10,000
%BOD/COD	76.92

**Bioaccumulative potential**

**Bioaccumulation** No information available.

**Mobility**

**Mobility in Soil** No information available.

**Mobility** No information available.

**Other Adverse Effects**

**Other Adverse Effects** No information available.

**Section 13: Disposal considerations**

**Waste Treatment Methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

**Section 14: Transport information**

**ADG** NOT REGULATED

**IATA** NOT REGULATED

**IMDG** NOT REGULATED

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC CODE**





Product code 445947

Product name ANSULITE  
AFC3IB1 3% AFFF 1000L S/A  
(DC)

PAGE 9 / 10

No information available

## Section 15: Regulatory information

### REGULATORY INFORMATION

#### National Regulations

##### Australia

See section 8 for national exposure control parameters

##### Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

No poisons schedule number allocated

#### International Inventories

TSCA	Complies
DSL/NDSL	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

#### International regulations

**Ozone-depleting substances (ODS)** Not Applicable

**Persistent Organic Pollutants** Not Applicable

**Export Notification requirements** Not Applicable

## Section 16: Any other relevant information

**Revision date** 07-Mar-2022

#### **Revision note**

SDS sections updated. 12.

**Key or legend to abbreviations and acronyms used in the safety data sheet**



Product code 445947

/ Product name ANSULITE /  
AFC3IB1 3% AFFF 1000L S/A  
(DC)

PAGE 10 / 10

---

**Legend SECTION 8: Exposure controls/personal protection**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
c	carcinogen		

**Disclaimer**

The information provided in this Material 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

**End of Safety Data Sheet**