


### SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Identifier:</b>	1% AFFF C6 Purity Foam	<b>Other Names:</b>	None
<b>Recommended use:</b>	Firefighting foam concentrate	<b>Relevant Muster Part Numbers</b>	M2SFC015; M2SFC022; M2SFC023; M2SFC038; M2SFC045; M2SFC066; M2SFC110; M2SFB005; M2SFB020
<b>Supplier:</b>	MusterFire International	<b>Address:</b>	1/202-214 Milperra Rd, Milperra NSW 2214 Australia
<b>Emergency Phone Number:</b>	+61 427 754 674	<b>Website:</b>	<a href="http://www.musterfire.com">www.musterfire.com</a>
<b>Department:</b>	Engineering	<b>Date Reviewed:</b>	24 September 2021

### SECTION 2: HAZARDS IDENTIFICATION

<b>Classification (CLP):</b>	Skin Irrit. 2, Eye Dam. 1	<b>Other Hazards:</b>	Contains Sodium decyl sulphate
<b>Hazard Statements:</b>	Causes skin irritation (H315) Causes serious eye damage (H318) Contains 1,2-benzisothiazolin-3-one, may produce an allergic reaction (EUH208)	<b>Label Elements:</b>	Signal word – Danger  Corrosives
<b>Precautionary Statements:</b>	<p><b>IF IN EYES:</b> Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338) Wear protective gloves/protective clothing/eye protection/face protection (P280). Immediately call a POISON CENTRE or doctor (P310). Wash hands thoroughly after handling (P264)</p> <p><b>IF ON SKIN:</b> Wash with plenty of soap and water (P302+P352). If skin irritation occurs, seek medical attention/advice (P332+P313). Take off contaminated clothing and wash before reuse (P362+P364).</p>		
<b>Other Hazards:</b>	Contains Sodium decyl sulphate		

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<b>Mixture:</b>			
<b>Sodium decyl sulphate</b>			
<b>CAS Number:</b>	142-87-0	<b>Concentration:</b>	<10%
<b>EC Number:</b>	205-568-5	<b>M Factor:</b>	Information not available
<b>Specific Concentration Limits:</b>	Information not available	<b>Categories:</b>	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3
<b>Acute Toxicity Estimate:</b>	Information not available	<b>H Statements:</b>	H315, H318, H412
<b>Symbols:</b>	GHS05, GHS07		
<b>Sodium octyl sulphate</b>			
<b>CAS Number:</b>	142-31-4	<b>Concentration:</b>	<10%
<b>EC Number:</b>	205-535-5	<b>M Factor:</b>	Information not available
<b>Specific Concentration Limits:</b>	Information not available	<b>Categories:</b>	Skin Irrit. 2, Eye Dam. 1

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Acute Toxicity Estimate:</b>	Information not available	<b>H Statements:</b>	H315, H318
<b>Symbols:</b>	GHS05		
<b>D-Glucopyranose, oligomeric, C9-11-alkyl glycosides</b>			
<b>CAS Number:</b>	132778-08-6	<b>Concentration:</b>	<10%
<b>EC Number:</b>	603-654-0	<b>M Factor:</b>	Information not available
<b>Specific Concentration Limits:</b>	Information not available	<b>Categories:</b>	Skin Irrit. 2, Eye Dam. 1
<b>Acute Toxicity Estimate:</b>	Information not available	<b>H Statements:</b>	H315, H318
<b>Symbols:</b>	GHS05		
<b>2-Methylpentane-2, 4-Diol</b>			
<b>CAS Number:</b>	107-41-5	<b>Concentration:</b>	<10%
<b>EC Number:</b>	203-489-0	<b>M Factor:</b>	Information not available
<b>Specific Concentration Limits:</b>	Information not available	<b>Categories:</b>	Skin Irrit. 2, Eye Irrit. 2
<b>Acute Toxicity Estimate:</b>	Information not available	<b>H Statements:</b>	H315, H319
<b>Symbols:</b>	GHS07		
<b>Mixture:</b>	Other non-hazardous ingredients	<b>Concentration:</b>	>60%

**SECTION 4: FIRST AID MEASURES**

<b>Description of first aid measures</b>
<b>IF ON SKIN:</b> Wash with plenty of soap and water. If skin irritation occurs, seek medical advice/attention.
<b>IF IN EYES:</b> Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
<b>Symptoms caused by exposure</b>
Mildly irritating to skin and eyes
<b>Medical attention and special treatment</b>
Immediately call a POISON CENTRE, or doctor/physician

**SECTION 5: FIREFIGHTING MEASURES**

<b>Suitable extinguishing equipment:</b>	Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions.	<b>Specific hazards arising from the chemical:</b>	Not applicable
<b>Special protective equipment and precautions for firefighters:</b>	Wear breathing apparatus. Wear full protective clothing including chemical protection suit.		

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

Spillage causes slippery surface

<b>Personal precautions, protective equipment and emergency procedures:</b>	Contain spillage. Mark out contaminated area with signage and prevent access to unauthorised personnel. Wear protective clothing as per section 8. Position leaking containers leak-side up to prevent escape of liquid.	<b>Environmental precautions:</b>	Use appropriate containment to avoid environmental contamination. Do not discharge into drains or rivers.
<b>Methods and materials for containment and cleaning up:</b>	Absorb into dry earth or sand. Transfer to closable, labelled salvage container for disposal via an appropriate method.	<b>References to other sections:</b>	See section 8.

**SECTION 7: HANDLING AND STORAGE**

<b>Precautions for safe handling:</b>	Wear protective gloves/ protective clothing/ eye protection/ face protection. Wash hands thoroughly after handling and before eating.	<b>Conditions for safe storage, including any incompatibilities:</b>	Keep in original container. Store in a cool, dry, well-ventilated place away from direct sunlight. Where possible store elevated to allow for full ventilation. Ensure appropriate spill containment is available if storing in large quantities.
<b>Specific end use(s):</b>	Firefighting foam concentrate		

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Control Parameters

**2-Methylpentane-2,4-Diol**

<b>Workplace Exposure Limits:</b>		Respirable Dust		
<b>State</b>	<b>8-hour TWA</b>	<b>15 min. STEL</b>	<b>8-hour TWA</b>	<b>15 min. STEL</b>
UK	123mg/m3	123mg/m3	-	-

**Sodium decyl sulphate - DNEL**

Exposure Type	Value	Population	Effect
Inhalation	285mg/m3	Workers	Systemic
Dermal	4060mg/kg bw/day	Workers	Systemic
Inhalation	85mg/m3	Consumers	Systemic
Dermal	2440 mg/kg bw/day	Consumers	Systemic
Oral	24mg/kg bw/day	Consumers	Systemic

**Sodium decyl sulphate - PNEC:**

Exposure Type	Value	Population	Effect
Fresh Water	0.095mg/l	-	-
Marine Water	0.0095mg/l	-	-
Fresh Water Sediments	1.5mg/l	-	-

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Marine Sediments	0.15mg/l	-	-
Soil (agricultural)	0.2445mg/kg	-	-
<b>Exposure Controls</b>			
Wear protective gloves/protective clothing/eye protection/face protection. Ensure there is sufficient ventilation of the area.			

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State:</b>	Liquid	<b>Colour:</b>	Yellow
<b>Odour:</b>	Characteristic odour	<b>Melting Point/Range:</b>	Freezing point -5°C
<b>Flammability:</b>	Non-flammable	<b>Boiling Point/Range:</b>	Not available
<b>pH:</b>	7.5 – 8.5	<b>Solubility in Water:</b>	Completely soluble in water
<b>Density:</b>	1.042	<b>Flashpoint:</b>	>93°C
<b>Other Information:</b>	No information available		

**SECTION 10: STABILITY AND REACTIVITY**

<b>Reactivity:</b>	This article is considered stable under normal conditions	<b>Chemical Stability:</b>	This article is considered stable under normal conditions
<b>Possibility of Hazardous Reactions:</b>	No hazardous reactions known if used for intended purpose	<b>Conditions to Avoid:</b>	Keep away from frost. Avoid contact with eyes and skin
<b>Incompatible Materials:</b>	Incompatible with acid. Incompatible with strong oxidising substances	<b>Hazardous Decomposition Products:</b>	No hazardous decomposition products known

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity**

**2-Methylpentane-2**

IPR	RAT	LDLO	1500mg/kg
ORL	MUS	LD50	3097mg/kg
ORL	RAT	LD50	3700mg/kg

**Alkylpolyglycoside C9-11**

ORAL		LD50	2000mg/kg
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**Sodium Decyl Sulphate**

Dermal	RAT	LD50	2000mg/kg
ORAL	RAT	LD50	1200mg/kg
ORAL	RAT	NOAEL	488mg/kg
ORAL	RAT	OECD 401	1200mg/kg
ORAL	RAT	OECD 414	500mg/kg
ORAL	RAT	OECD 453	1125mg/kg

**Sodium Octyl Sulphate**

Dermal	CALC	LD50	>2000mg/kg
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SECTION 11: TOXICOLOGICAL INFORMATION			
ORAL	CALC	LD50	>2000mg/kg
<b>End of Information on Acute Toxicity</b>			
<b>Skin Corrosion/Irritation:</b>	May cause redness and irritation	<b>Serious Eye Damage/Irritation:</b>	Possible risk of irreversible effects. May cause redness and irritation
<b>Respiratory or Skin Sensitisation:</b>	Contains 1, 2-benzisothiazolin-3-one. May produce an allergic reaction	<b>Germ Cell Mutagenicity:</b>	No information available
<b>Carcinogenicity:</b>	No information available	<b>Reproductive Toxicity:</b>	No information available
<b>STOT (Specific Target Organ Toxicity) Single Exposure:</b>	No information available	<b>STOT (Specific Target Organ Toxicity) Repeated Exposure:</b>	No information available
<b>Aspiration Hazard:</b>	No information available	<b>Information on Other Hazards:</b>	No information available

SECTION 12: ECOLOGICAL INFORMATION			
<b>Toxicity</b>			
<b>Alkylpolyglycoside C9-11</b>			
FISH	96H	LC50	10mg/l
<b>Sodium Decyl Sulphate</b>			
Activated sludge	0.5H	EC50	188mg/l
Activated sludge	3H	EC50	135mg/l
Cyprinus carpio	48H	LC50	13mg/l
Daphnia magna	24H	EC50	470mg/l
Daphnia magna	48H	EC50	>100mg/l
Daphnia magna	OECD Guideline 211	-	1.4mg/l
Pseudokirchneriella subcapitata	72H	EC50	8.64mg/l
Pseudokirchneriella subcapitata	-	EC10 (72h)	0.95mg/l
<b>Sodium Octyl Sulphate</b>			
Aquatic invertebrates	48H	EC50	>100mg/l
Aquatic plants	48H	EC50	>100mg/l
FISH	96H	LC50	>100mg/l
Microorganisms/effect on activated sludge		EC0	>100mg/l
<b>End of Information on Toxicity</b>			
<b>Persistence and Degradability:</b>	Biodegradable	<b>Bio accumulative Potential:</b>	No bioaccumulation potential
<b>Mobility in Soil:</b>	Completely soluble in water, miscible with water	<b>Results of PBT and vPvB Assessment:</b>	Not a PBT according to REACH Annex XIII
<b>Endocrine Disrupting Properties:</b>	No information available	<b>Other Adverse Effects:</b>	No information available but must be considered harmful

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

Avoid release to the environment. Refer to special instructions/safety data sheets.

Disposal should be in accordance with local, state or national legislation.

Do not discharge into drains or the environment, dispose to an authorised waste collection point.

**SECTION 14: TRANSPORT INFORMATION**

<b>UN number or ID number:</b>	Not applicable	<b>UN Proper Shipping Name:</b>	Not applicable
<b>Transport Hazard Classes:</b>	Not applicable	<b>Packing Group:</b>	Not applicable
<b>Environmental Hazards:</b>	Not applicable	<b>Special Precautions for User:</b>	Not classified as hazardous for transport
<b>Maritime Transport in Bulk According to IMO Instruments:</b>	Not applicable		

**SECTION 15: REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

Not hazardous according to current ADR Regulations

**Chemical safety assessment**

A chemical safety assessment (CSA) for this product has not yet been completed

**SECTION 16: OTHER INFORMATION**

**Text not given with phrase codes where they are used elsewhere in this safety data sheet**

H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

**Legal disclaimer**

The above information is believed to be correct but does not purport to be all inclusive and shall be only used as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

**END OF SAFETY DATA SHEET**