

# SAFETY DATA SHEET

Product Name: SCTF	Issue Date: 26 June 2019
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Region: New Zealand	Page: Page 1 of 9

## 1. Identification of the substance/preparation and of the company/undertaking

### 1.1 Identification of the substance or preparation:

**Product name** : Solberg Super Concentrated Training Foam  
**Synonyms** :

### 1.2 Use of the substance/preparation:

Fire extinguishing medium: concentrate

### 1.3 Company/undertaking identification:

**Australian Supplier** Perimeter Solutions  
Solberg Asia Pacific Pty Ltd  
3 Charles Street  
St. Marys NSW 2760, Australia  
Tel: +61 2 9673 5300 (Mon-Fri, 9am to 5pm)

**Overseas Supplier:** Perimeter Solutions  
AUXQUIMA  
Poligono de Baina, Parcela 23  
33682 Mieres (Asturias)  
Spain  
Tel: +34 985 24 29 45

Perimeter Solutions  
The Solberg Company  
1520 Brookfield Avenue  
US-WI 54313 Green Bay - USA  
Tel: +1 920 593 9445

**New Zealand Distributor** Solberg Asia Pacific Pty Ltd  
Address 17B Farnham Street,  
Suite 7018, Parnell,  
Auckland, 1052  
New Zealand  
Telephone +64 9 320 5250 (9am- 5pm, Mon-Fri)

### 1.4 Emergency telephone:

24HR EMERGENCY: +64 9 320 5250

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

This product is Hazardous according to the *Hazardous Substances (Classification) Regulations 2001*.

8.3 Eye corrosive,

9.1D Ecotoxic.

**Dangerous Goods (NZS 5433:2007):** Not classified

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## 2.2 Label elements

### Hazard pictograms



GHS05

**Signal Word:** Danger

### Hazard statements:

H318 Causes serious eye damage.  
H402 Toxic to aquatic life.

### Precautionary statements:

P202 Do not handle until all safety precautions have been read and understood.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P281 Use personal protective equipment as required.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P302+350 IF ON SKIN: Gently wash with plenty of soap and water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P273 Avoid release to the environment.

## 2.3 Other hazards

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)

This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

## 3. Composition/information on ingredients

Hazardous ingredients	CAS No.	Conc. (%)	Hazards	Hazard Statement
2-(2-butoxyethoxy) ethanol	112-34-5	10-<30	Eye Irrit. 2	H319
Sodium C9-11 Pareth-3 Sulfate	98112-64-2	<5	Eye Damage 1 Skin Irrit.2	H318 H315
1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	61789-40-0	<5	Skin Irrit.2 Eye Irrit. 2 Aquatic Acute 1	H315 H319 H410
Cocoamidopropylhydroxysultaine	70851-08-0	<7	Eye Damage 1	H318

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## 4. First aid measures

- 4.1 After inhalation:
- Remove the victim into fresh air
  - Respiratory problems: consult a doctor/medical service
- 4.2 Skin contact:
- Rinse with water
  - Soap may be used
  - Take victim to a doctor if irritation persists
- 4.3 Eye contact:
- Rinse immediately with plenty of water
  - Take victim to an ophthalmologist if irritation persists
- 4.4 After ingestion:
- Rinse mouth with water
  - Immediately give lots of water to drink
  - Consult a doctor/medical service if you feel unwell

## 5. Fire-fighting measures

- 5.1 Suitable extinguishing media:
- Non combustible
  - For surrounding fires: all extinguishing media allowed
- 5.2 Unsuitable extinguishing media:
- No data available
- 5.3 Special exposure hazards:
- On burning: release of toxic and corrosive gases/vapours (nitrous vapours, sulphur oxides, carbon monoxide - carbon dioxide)
- 5.4 Instructions:
- Dilute toxic gases with water spray
- 5.5 Special protective equipment for firefighters:
- Heat/fire exposure: compressed air/oxygen apparatus
  - Protective clothing for exposure to chemicals

## 6. Accidental release measures

- 6.1 Personal precautions:  
See heading 8.2/13
- 6.2 Environmental precautions:
- Contain released substance, pump into suitable containers
  - Plug the leak, cut off the supply
- 6.3 Methods for cleaning up:
- Take up liquid spill into inert absorbent material, e.g.: sand/earth
  - Scoop absorbed substance into closing containers
  - Clean contaminated surfaces with an excess of water
  - Wash clothing and equipment after handling

## 7. Handling and storage

- 7.1 Handling:
- Observe normal hygiene standards
- 7.2 Storage:
- Keep container in a well-ventilated place
  - Meet the legal requirements
  - Keep away from: heat sources
- |                         |                     |      |
|-------------------------|---------------------|------|
| Storage temperature     | : 0/50              | °C   |
| Quantity limits         | : N.D.              | kg   |
| Storage life            | : N.D.              | days |
| Materials for packaging | :                   |      |
| - suitable              | : HDPE              |      |
| - to avoid              | : no data available |      |
- 7.3 Specific use(s):
- See information supplied by the manufacturer for the identified use(s)

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## 8. Exposure controls/Personal protection

8.1 Exposure limit values:

8.1.1 Occupational exposure:

2-(2-butoxyethoxy) ethanol

AU 8h	: N/A	mg/m <sup>3</sup>	N/A	ppm
AU-STEL	: N/A	mg/m <sup>3</sup>	N/A	ppm

NZ WES 8h	: N/A	mg/m <sup>3</sup>	N/A	ppm
NZ-STEL	: N/A	mg/m <sup>3</sup>	N/A	ppm

Note: While no OELs have been set for this chemical in Australia and New Zealand, it should be noted that The European Committee on Occupational Exposure Limits have recommended an 8hr TWA of 10 ppm (67.5 mg/m<sup>3</sup>) and STEL of 15 ppm (101.2 mg/m<sup>3</sup>).

8.1.2 Sampling methods:

- Sulfites, & Sulfates NIOSH 6004

8.2 Exposure controls:

8.2.1 Occupational exposure controls:

- Measure the concentration in the air regularly
- Work under local exhaust/ventilation

Personal protective equipment:

a) Respiratory protection:

- Wear gas mask with filter type A if conc. in air > exposure limit

b) Hand protection:

- Gloves

Suitable materials: Butyl rubber

- Breakthrough time: N.D.

c) Eye protection:

- Safety glasses

d) Skin protection:

- Protective clothing

Suitable materials: Butyl rubber

8.2.2 Environmental exposure controls: see headings 6.2, 6.3 and 13

## 9. Physicochemical properties

9.1 General information:

Appearance (at 20°C)	: Liquid
Odour	: Mild
Colour	: Light yellow

9.2 Important health, safety and environmental information:

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pH value (at 100%)	: 7-8	
Boiling point/boiling range	: 100	°C
Flash point/flammability	: N.A.	°C
Explosion limits (explosive properties)	: N.D.	vol%
Oxidising properties	: N.D.	
Vapour pressure (at 20°C)	: 24	hPa
Vapour pressure (at 50°C)	: N.D.	hPa
Relative density (at 20°C)	: 1.04	
Water solubility	: COMPLETELY	
Soluble in	: No data available	
Relative vapour density	: 1	
Viscosity (at °C)	: 20	Centistoke (20°C)
Partition coefficient n-octanol/water	: N.D.	
Evaporation rate		
ratio to butyl acetate	: N.D.	
ratio to ether	: N.D.	

## 9.3 Other information:

Melting point/melting range	: -8	°C
Auto-ignition temperature	: N.D.	°C
Saturation concentration	: N.D.	g/m <sup>3</sup>
Specific conductivity	: N.D.	pS/m

## 10. Stability and reactivity

### 10.1 Conditions to avoid:

- Stable under normal conditions

### 10.2 Materials to avoid:

- Keep away from: heat sources

### 10.3 Hazardous decomposition products:

- On burning: release of toxic and corrosive gases/vapours (nitrous vapours, sulphur oxides, carbon monoxide - carbon dioxide)

## 11. Toxicological information

### 11.1 Acute toxicity:

Whole Mixture:

No data available.

Ingredients:

2-(2-butoxyethoxy)ethanol		
LD50 oral rat	: 2410	mg/kg
LD50 dermal rabbit	: 2764	mg/kg

### 11.2 Chronic toxicity:

No data available.

11.3 Routes of exposure: ingestion, inhalation, eyes and skin

### 11.4 Acute effects/symptoms:

AFTER EYE CONTACT  
- Corrosive

### 11.5 Chronic effects:

- No data available

## 12. Ecological information

### 12.1 Ecotoxicity:

- LC50 (96 h) : 8.8 mg/l (ONCORHYNCHUS MYKISS - RAINBOW TROUT)
  
- Effect on waste water purification : harmless to activated sludge at sufficient dilution

### 12.2 Mobility:

- Volatile organic compounds (VOC): 0%
- Soluble in water

For other physicochemical properties see heading 9

### 12.3 Persistence and degradability:

- biodegradation BOD<sub>5</sub> : -
- water :
  - Readily biodegradable in water
  - test: 86.5% Degradation in 28 days
  - soil : T<sup>1/2</sup>: N.D.

### 12.4 Bioaccumulative potential:

- log P<sub>ow</sub> : <3 (components)
- BCF : N.D.
- Slightly or not bioaccumulative (components)

### 12.5 Results of PBT assessment:

- Not applicable, based on available data

### 12.6 Other adverse effects:

- Effect on the ozone layer : Not dangerous for the ozone layer
- Greenhouse effect : No data available

## 13. Disposal considerations

### 13.1 Provisions relating to waste:

- Dispose according to the requirements of local waste disposal authority.

### 13.2 Disposal methods:

- Dilute
- May be discharged to wastewater treatment installation or reed bed
- Contains no organic halogen which may add to the AOX value
- Discharge or disposal must be handled according to national or local legislation regulations.

### 13.3 Packaging/Container:

- Dispose according to the requirements of local waste disposal authority.

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## 14. Transport Information

### 14.1 IMDG (maritime transport)

CLASS	: Not subject
SUB RISKS	:
PACKING GROUP	:
MFAG	:
EMS	:
MARINE POLLUTANT	:

### 14.2 ICAO (air transport)

CLASS	: Not subject
SUB RISKS	:
PACKING GROUP	:
PACKING INSTRUCTIONS PASSENGER AIRCRAFT	:
PACKING INSTRUCTIONS CARGO AIRCRAFT	:

### 14.3 Australia ADG Code

CLASS	: Not subject
SUB RISKS	:
PACKING GROUP	:

### 14.4 New Zealand NZS 5433:2007

CLASS	: Not subject
SUB RISKS	:
PACKING GROUP	:



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## 15. Regulatory information

### 15.1 Australia

All components are listed on the Australian Inventory of Chemical Substances (AICS).

### 15.2 New Zealand

Approval: Fire Fighting Chemicals Group Standard 2006 (HSR002573).

NZIoC: All components are listed on the New Zealand Inventory of Chemical Substances

HSNO Classification: 8.3 Eye corrosive, 9.1D Ecotoxic.

## 16. Other information

The information provided on this SDS 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 as 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 material or in any process, unless specified in the text.