



**MATERIAL SAFETY DATA SHEET**

**SAFETY INDUSTRIES**

**Polarfilm 6 x 3**

Pty Limited

**1. IDENTIFICATION OF THE SUBSTANCE AND THE SUPPLIER**

**Product name:** Polarfilm 6 x 3  
**Synonyms:**  
**CAS-No.:**  
**Molecular Formula:**  
**Supplier:** Orion Safety Industries Pty Limited  
**ACN:** 002 538 696  
**Street Address:** 29 Shepherd Street  
Liverpool NSW  
Australia  
**Telephone:** + 61 2 9821 2244  
**Facsimile:** + 61 2 9821 2906  
**Emergency telephone number:** None

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

**Recommended use:** Fire fighting foam concentrate for use on hydrocarbon and polar solvent fires.  
**Appearance:** Clear Viscous yellow liquid.

CHEMICAL ENTITY	CAS NO.	PROPORTION
Butyl Di-Icinol	112-34-5	Low
Hydrocarbon Surfactant Blend		Medium
Flourocarbon Surfactant	7732-18-5	Low
Water	7732-18-5	High
Xantham Gum	11138-66-2	VLow
Bactrachem IC/2		VLow
Other ingredients determined not to be hazardous		VLow
		----- 100%

VHIGH >60, HIGH 30-60, MED 10-29, LOW 1-9, VLOW <1

Proportions above are the maximum for that component.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

### 3. HAZARDS IDENTIFICATION

Based on available information, this material is not classified as hazardous according to health criteria of Worksafe Australia.

Not Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG) for transport by Road and Rail.

**Poisons Schedule (Aust)/Toxic Substance (NZ):** None allocated

#### Safety Phrases

S26 In case of contact with eyes rinse immediately with plenty of water and contact a doctor or the Poisons Information Centre.

### 4. FIRST AID MEASURES

**Ingestion:** Rinse mouth with water. Give water to drink. Seek medical advice.

**Eye contact:** Irrigate with copious quantities of water for 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**Skin contact:** Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.

**Inhalation:** Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs remove victim to fresh air and seek medical attention.

**Notes to physician:** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Specific hazards:** Non-combustible.

**Fire fighting further advice:** Not combustible, however following evaporation of aqueous component residual material can burn if ignited. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

**Suitable extinguishing media:** Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

## 6. ACCIDENTAL RELEASE MEASURES

For large spills: Contain - prevent run off into drains and waterways. Use absorbent (soil or sand, inert material ).

Collect and seal in properly labelled drums for disposal.

For small spills: Collect in container for disposal. Refer disposal section for suggested disposal methods.

## 7. HANDLING AND STORAGE

**Storage:** Store in a cool place out of direct sunlight. Keep containers closed at all times - check regularly for leaks.

**Minimum/Maximum Storage Temperature:** +5 to 40 Degrees C

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### National occupational exposure limits

No value assigned for this specific material by the National Occupational Health and Safety Commission (Worksafe Australia).

**Engineering measures:** Keep containers closed when not in use.

**Personal protection equipment:** Use safety glasses with side shields and chemical resistant gloves.

Keep out of reach of children. Avoid eye contact and repeated or prolonged skin contact. Always wash hands before smoking, eating, drinking or using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form / Colour / Odour:** Viscous yellow liquid.

**Solubility:** Miscible in water.

Specific Gravity (20 C): 1.0-1.1

Melting Point (C): N App

Rel Vapour Density (air=1): N Av

Boiling Point (C): N Av

Vapour Pressure (20 C): N Av

Decomp. Point (C): N Av

Flash Point (C): N App

Sublimation Point: N App

**12. ECOLOGICAL INFORMATION**

Flammability Limits (%): N App

pH: 7-8

Autoignition Temp (C): N App

Viscosity: N Av

% Volatile by volume: &gt;90%

Evaporation Rate: N Av

Solubility in water (g/L): Miscible (n-Butyl acetate=1)

(Typical values only - consult specification sheet)

N Av = Not available

N App = Not applicable

**10. STABILITY AND REACTIVITY****Stability:** Will not polymerise. Know know salbility issues.**11. TOXICOLOGICAL INFORMATION**

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled and overexposure occurs are:

**Acute Effects****Ingestion:** No adverse effects expected, however large amounts may cause nausea, diarrhoea and vomiting.**Eye contact:** May be an eye irritant.**Skin contact:** Contact with skin may result in irritation.**Inhalation:** Not an expected exposure route.**Long Term Effects:**

No information available for product.

**Acute toxicity / Chronic toxicity**

No LD50 data available for product.

**13. DISPOSAL CONSIDERATIONS**

Avoid contaminating sewers or drains.

Refer to State/Territory Land Waste Management Authority.

**14. TRANSPORT INFORMATION****Road and Rail Transport**

Not Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG) for transport by Road and Rail.

**Marine Transport**

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**Air Transport**

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**15. REGULATORY INFORMATION**

Based on available information, this material is not classified as hazardous according to health criteria of Worksafe Australia.

**Poisons Schedule (Aust)/Toxic Substance (NZ):** None allocated

**16. OTHER INFORMATION**

Safety Data Sheets are updated regularly. Please ensure that you have a current copy.

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace. Orion Safety cannot control how this product is used in the workplace.

This MSDS applies to three fire fighting concentrate as supplied by Orion Safety Industries. Once the concentrate is mixed with water for fire fighting the product is substantially diluted as are the risks of exposure.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact Orion Safety Industries Pty Limited.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

**CONTACT NUMBER +61 2 9821 2244 (during working hours)**

END OF MSDS