



# MATERIAL SAFETY DATA SHEET

## STAR SHIELD

Issue Date 1<sup>st</sup> Oct 2007

Classified as non-hazardous according to criteria of NOHSC

### COMPANY DETAILS

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Every endeavor has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control.

### IDENTIFICATION

**Product Name:** STAR SHIELD  
**Other Names:** Flammable Liquids, N.O.S  
(Contains 582 g/L Hydrocarbon Solvent)  
**Manufacturer's Product Code:** None allocated  
**UN Number:** 1993  
**Dangerous Goods Class and Subsidiary Risk:** 3  
**Hazchem Code:** 3[Y]E  
**Poisons Schedule No.:** Not Scheduled  
**Use:** A clear liquid used as a protective surface coating.

### Physical Description/Properties: for food packaging

**Appearance:** A water-like, clear mobile liquid with the odour of petroleum solvent.  
**Boiling Point/Melting Point:** > 51 °C  
**Vapour Pressure:** < 35 mm Hg at 20°C  
**Specific Gravity:** 0.756 ± 0.005 at 20°C  
**Flashpoint:** < 10°C Tag Closed Cup  
**Flammability Limits:** LEL 1.0%, UEL 6.0%  
**Solubility in Water:** not soluble



## Other Properties:

Explosion Data	Lower explosive limit:1.0%Upper explosive limit: 6.0%
Autoignition Temp.	280 C
Vapour Density	3.5 (Air = 1)
Form	Liquid
Molecular Weight	95

## Ingredients:

Chemical Name	CAS Number:	Proportion:
Liquid Hydrocarbons	110-54-3	>60%
Silicon Oils		10-30%

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## HEALTH HAZARD INFORMATION

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### Health Effects:

#### Acute

<b>Swallowed:</b>	Slightly toxic. Ingestion can result in nausea.
<b>Eye:</b>	May cause conjunctivitis. A moderate eye irritant.
<b>Skin:</b>	Danger of serious damage to health by prolonged exposure through contact with skin.
<b>Inhaled:</b>	Inhalation may be harmful

#### Chronic

<b>Swallowed:</b>	Rinse mouth thoroughly with water immediately. Give water to drink. DO NOT induce vomiting. Seek medical attention. Poisons Information Centre: Toll Free 25 hour Emergency Phone Number: 13 11 26
<b>Eye:</b>	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical attention.
<b>Skin:</b>	Wash with plenty of soap and water. Remove contaminated clothing and wash before re-use. Seek urgent medical assistance.
<b>Inhaled:</b>	Recovery should be rapid after removal from exposure. Remove victim to fresh air. Seek urgent medical assistance.

### First Aid

<b>Advice</b>	For advise, contact a Poisons Information Centre (Phone eg. Australia 13 11 26; New Zealand 03 4747 000 [Not after May 2005] or 0800 764 766 or a doctor at once).
<b>Swallowed</b>	If swallowed, do NOT induce vomiting.
<b>Eyes</b>	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.



**Skin** If skin contact occurs, immediately remove contaminated clothing. Flush skin under water for 15 minutes. They apply calcium gluconate gel. Contact the Poisons Information Centre.

## Safety Points

Wear eye protection when mixing or using.  
Wear protective gloves when mixing or using  
Do not mix with hot water

## Advice to Doctor:

Treat symptomatically. For ingestion, gastric lavage should be considered.

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### PRECAUTIONS FOR USE

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Exposure Limits:	Name	STEL (mgm3)	STEL (ppm)	TWA (mgm3)	TWA (ppm)	FootNote
	Toluene			377	100	
	Benzene			16	5	

**Engineering Controls:** Maintain concentration below recommended exposure limit. Avoid generation and inhalation of mists or aerosols. Use in a well ventilated area only. Mechanical ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperature or is agitated. Use explosion proof equipment. No smoking or open lights.

**Personal Protection:** Wearing of the following personal protective equipment may be advisable. Chemical goggles, face shield and PVC or rubber gloves. Always wash hands before eating, drinking, smoking or using the toilet.

**Flammability:** Avoid all ignition sources. May form explosive mixtures with air. Highly flammable. Will form combustible mixture with oxidising agents. Lower explosive limit: 1.0% Upper explosive limit: 6.0%

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### SAFE HANDLING INFORMATION

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<b>Storage and Transport:</b>	Not to be loaded with foodstuffs. This product is categorised as Class 3 - highly flammable. Flammable for the Code for the Transport of Dangerous Goods by Road and Rail. Store away from heat. Store away from sources of heat or ignition. Not to be loaded with oxidizing agents (class 5). Store in a cool place.
<b>Spills and Disposal:</b>	Isolate leaking containers and stop leak if safe to do so. Use absorbent (soil or sand, sawdust, inert material, vermiculite). Sweep up. Collect and seal in properly labelled drums for disposal. Shut off all possible sources of ignition.
<b>Fire/Explosion Hazard:</b>	Hazard Extinguishing media: Foam, dry powder, CO2, and water fog. Extremely Flammable. Vapour accumulation could cause flash and/or explosion if in contact with open flame. Heating can cause expansion or decomposition leading to violent rupture of containers. Use water to cool fire exposed containers. For fires in enclosed areas, fire fighters MUST use self-contained breathing apparatus.

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### OTHER INFORMATION

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<b>EPG Number</b>	3A1
<b>IERG Number</b>	14
<b>Toxicology</b>	Not established.
<b>Environment Protection</b>	This substance may be hazardous to the environment; special attention should be given to preventing product from entering drains and waterways.
<b>Risk Statement</b>	R10 Flammable. R45(1) May cause cancer. R48(1) Danger of serious damage to health by prolonged exposure. R36/38 Irritating to eyes and skin. R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
<b>Safety Statement</b>	S16 Keep away from sources of ignition - No smoking. S45 In case of accident or if unwell, contact a doctor or Poisons Information Centre immediately (show the label where possible). S53 Avoid exposure - obtain special instructions before use. S24/25 Avoid contact with skin and eyes. S37/39 Wear suitable gloves and eye/face protection.
<b>Pkg. &amp; Labelling</b>	This product contains a Scheduled Poison (S5) and must therefore be stored, maintained and used in accordance with the relevant State Poisons Act. Defined as a 'Dangerous Good' by the Australian Code for the Transport of Dangerous Goods by Road and Rail. 5L Polybottle 20L Tin 200L Mauter
<b>Hazard Category</b>	Toxic, Irritant

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### CONTACT POINT

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<b>ORGANISATION</b>	<b>TELEPHONE</b>	<b>ASK FOR</b>
Poisons Information Centre – Australia Wide	131126	
Sierra Aust Pty Ltd	+61-(0)7-32165099	Glyn McDonald
Fire Brigade	000	Fire Brigade
Police	000	Police

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