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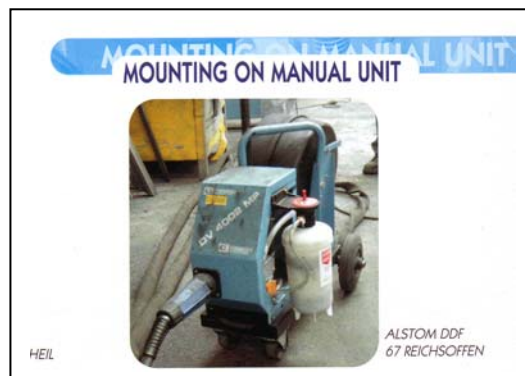
***“Reduces More Than Just Spatter”***

**[www.spattershield.com](http://www.spattershield.com)**

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## **Spatter Shield – MSDS Standard**

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# Material Safety Data Sheet

MSDS 25A003 Issue Date: Feb 2005 Page 1 of 7  
Product Name: **SPATTER SHIELD 3193 ANTI-SPATT**

Classified as Hazardous according to the criteria of Worksafe Australia

## COMPANY DETAILS

**Company Name** Spatter Shield (Aust) Pty Ltd  
**Address** 1/1 Dunstan Street, Wingfield, SA 5013 Australia  
**Emergency Tel.** +61 (0) 8 8260 2588  
**Tel/Fax** Phone: +61 (0) 8 8260 2588 Fax: +61 (0) 8262 7658  
**Web** [www.spattershield.com](http://www.spattershield.com)  
**Email** [info@spattershield.com](mailto:info@spattershield.com)

## IDENTIFICATION

**Product** Spatter Shield 3193 Anti- Spatt  
**Proper Shipping Name** None  
**UN Number** None  
**DG Class** None  
**Packing Group** None  
**Hazchem Code** None  
**Poisons Schedule** S5  
**Product Use** Trade product formulated for use by welders, boilermakers and other trades persons - prevents spatter from sticking to welding nozzles and material being welded.

## Physical Data

**Appearance** Amber liquid with a pleasant odour; does not mix with water  
**pH(as supplied)** Not applicable  
**pH(1% solution )** Not applicable

## Other Properties

**Other Information** Detailed analysis is available upon request

## Ingredients

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Liquid Hydrocarbons C5 – 20	64771-72-8	10 – 15 %
	Mineral Oil	64742-65	10 – 30 %
	Isobutyl stearate	646-13-9	>50%
	Petrolatum	8009-03-8	1 – 10 %

**Information on Composition** Liquid hydrocarbons derived from paraffinic distillate, heavy, solvent- dewaxed (severe)  
NOTE - This product does not contain any detected PolyAromatic Hydrocarbons (analysis available)

## HEALTH HAZARD INFORMATION

### Health Effects

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**Acute - Swallowed** Unlikely route of exposure in industrial applications. The material may be mildly discomforting to the gastro- intestinal tract if swallowed. Ingestion may result in nausea, abdominal irritation, pain and vomiting if swallowed in large quantity  
Aspiration after vomiting may cause lung damage.

**Acute - Eye** The material is slightly discomforting to the eyes and prolonged contact may cause eye damage.

**Acute - Skin** The material is moderately discomforting to the skin but is not thought to have harmful health effects. Prolonged skin contact may cause drying of the skin which may lead to dermatitis from repeated exposures over long periods

**Acute - Inhaled** Not normally a hazard due to non – volatile nature of product. Exposure by inhalation during welding application may cause drowsiness and dizziness and irritation from oil mist

**Chronic** Contact with skin with oil component for prolonged periods may cause eczema, inflammation and dermatitis  
Over exposure by inhalation of vapour and oil mist during welding application may cause, over long periods of exposure lung effects and possible effects on nervous system, liver and kidneys. Good occupational work practices and application of normal welding procedures (see section on safe working practices) should be sufficient to prevent overexposure to this product.

**Other Information** None

## First Aid

**Swallowed** If swallowed, DO NOT induce vomiting. Rinse mouth with plenty of water. If vomiting occurs, lean patient forward or place on left side to main open airway and prevent aspiration of material. Seek medical advice.

**Eye** If material is splashed into the eyes, immediately flush with plenty of water for at least 15 minutes, ensuring eyelids are held open. Seek medical attention. Note – removal of contact lenses after eye contamination should be undertaken by a medical practitioner.

**Skin** If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with soap and water. Seek medical attention in event of irritation or other skin reaction.

**Inhaled** If vapours, oil mist or welding fume is inhaled remove victim to fresh air; lay patient down and keep warm and rested. Other measures are usually unnecessary but if breathing is shallow or has stopped apply resuscitation and seek urgent medical attention. Follow-up may be required to determine whether ‘ metal fume fever ’ – chills, fever and headaches have occurred from inhalation of metal fume.

**First Aid Facilities** Eye wash and personal hygiene facilities should be available in the workplace where the product is used or handled. Safety shower also required.

## Advice to Doctor

**Advice to Doctor** Treat symptomatically.

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## Other Health Hazard Information

### PRECAUTIONS FOR USE

Exposure Limits	Name	TWA		STEL	
		ppm	mg/m3	ppm	mg/m3
	Oil Mist ( refined mineral oil )		5		
	Isobutyl Stearate		10		
	Petrolatum		5		
	C5 – 20 Paraffins	100	350		
	Welding fume		5		

#### Other Exposure Information

As published by the National Occupational Health and Safety Commission. The exposure standard is the maximum time-weighted average airborne concentration, expressed as a TWA, for a normal eight-hour day to which nearly all workers can be exposed repeatedly without adverse effects. These exposure standards are issued as guidelines for good work practice. All atmospheric contamination should be kept to the lowest practicable level. Exposure standard data should not be used as fine lines between safe and unsafe conditions.

#### Engineering Controls

Apply good industrial welding practices when using this product and maintain adequate ventilation at all times. It is usual practice to use local exhaust ventilation to remove welding fume. Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust) and control of process conditions. If engineering controls and work practices are not effective in preventing or controlling exposure then suitable personal protective equipment should be used.

### Personal Protection

<b>Respirator</b>	Avoid breathing fumes, mists and vapours which may be released during welding supported by this anti – spatter product. Select and use respirators in accordance with AS / NZS 1715 / 1716. When the concentration of airborne contaminants reach the exposure standards then the use of a half face respirator with fume / mist and vapour cartridge is recommended. For high concentrations use a atmosphere supplied positive pressure demand self contained or airline breathing apparatus supplied air respirator complying with AS / NZS 1715.
<b>Eye protection Gloves</b>	Welding goggles or welding face shield to protect face and eyes Leather welding gloves
<b>Clothing</b>	Normal welding clothing is acceptable
<b>Work/Hygienic Practices</b>	When using, DO NOT eat, drink or smoke. Always wash hands before eating, drinking, smoking or using the toilet. Thoroughly clean protective clothing or equipment before storage or re-use.

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## Flammability

**Fire Hazards** Combustible. If involved in a fire may generate noxious and corrosive fumes  
**Flash Point (Of)** 163.4 F  
**LEL (%)** 1.4  
**UEL(%)** 12  
**Autoignition Temp** 1022 F

## SAFE HANDLING INFORMATION

**Procedure for Handling** – this product is used as an anti – spatter agent during welding and good welding practices used by a qualified and experienced tradesperson / boilermaker such as local exhaust ventilation / welding goggles / mask / leather gloves / welding jacket etc will provide adequate protection.

**Specific Advice** Avoid all personal contact, including inhalation  
Wear protective clothing when risk of exposure occurs  
Use in a well ventilated area (LEV required)  
Avoid smoking, naked lights or ignition sources  
When handling DO NOT eat, drink or smoke  
Wash hands with soap and water after handling  
Work clothes should be laundered seperately  
DO NOT allow clothing wet with this material to stay in contact with the skin

## Storage and Transport

**Storage**

- Store in original containers
- Keep containers securely sealed
- No smoking, naked lights or ignition sources
- Store in a cool, dry, well ventilated area
- Protect containers against physical damage and check regularly for leaks
- Store away from incompatible materials and foodstuff containers

**Storage Incompatibility** -Avoid storage with oxidisers

**Transport** - No restrictions

**Proper Shipping Name** None allocated

## Spills and Disposal

### Spills & Disposal

**Minor Spills**

- Slippery when spilt
- Remove all ignition sources
- Clean up all spills immediately
- Avoid breathing vapours and contact with skin and eyes
- Control personal contact by using protective equipment

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Contain and absorb spill with sand, earth, inert material or vermiculite

## Major Spills

Slippery when spilt  
Moderate hazard  
Clear area of personnel and move upwind  
Alert Emergency Services  
Wear breathing apparatus plus protective gloves  
Prevent by any means spillage entering drains or water courses  
No smoking naked flames or ignition sources. Increase ventilation  
Stop leak if safe to do so  
Contain spill with sand, earth or vermiculite  
Collect recoverable product into labelled containers for recycling  
Absorb remaining product with sand, earth or vermiculite  
Wash area and prevent run off into drains  
If contamination of drains or watercourses occurs advise Emergency Services

## DISPOSAL

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Normally suitable for disposal by approved waste disposal agent.

## Fire/Explosion Hazard

### Fire/Explosion.

Combustible. Slight fire hazard when exposed to heat or flame. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion may emit toxic fumes of Carbon Monoxide and acrid smoke (also combustible Carbon Dioxide / Phosphorous oxides/ Sulphur Oxides). Mists containing combustible materials may be explosive. Hot organic vapours or mist are capable of spontaneous combustion when mixed with air even at temperatures below published autoignition temp. The temp of ignition decreases with increasing vapour volume and vapour / air contact times and is influenced by pressure change. Ignition may occur under elevated temp process conditions especially under vacuum.

### Fire Fighting Procedures

Alert Emergency Services and tell them location and nature of hazard. Wear full body protective clothing with SCBA. Use water delivered as a fine spray to control fire and cool adjacent area. Avoid spraying water onto liquid pools. Do not approach containers suspected to be hot. Cool fire exposed containers with water spray from a safe and protected location. If safe to do so remove containers from path of fire.

### Extinguishing Media

Fine water spray

### Fire Incompatibility

Oxidising agents ie nitrates, oxidising acids, chlorine bleaches, pool chlorine as ignition may Result.

### HAZCHEM Code

None allocated

## OTHER INFORMATION

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**Toxicology** Nil reported. Not classified as carcinogenic on humans. Moderate dermal / eye / skin irritant. Prolonged exposure to oil mist by inhalation may lead to health effects

**Other Information** Customer assistance can be obtained by telephoning  
Phone: +61 2 9634 2088 Fax: +61 2 9680 4914

**Risk Statement** R5 Heating may cause an explosion  
R7 May cause fire  
R36 Irritating to eyes  
R37 Irritating to respiratory system  
R38 Irritating to skin  
R44 Risk of explosion if heated under confinement  
R48 Danger of serious damage to health by prolonged exposure  
R53 May cause long term adverse effects in the aquatic environment  
R65 Harmful ; may cause lung damage if swallowed  
R67 Vapours may cause drowsiness and dizziness

**Safety Statement** S3 Keep in a cool place  
S13 Keep away from foodstuffs  
S15 Keep away from heat  
S23 Do not breathe vapour  
S24 Avoid contact with skin  
S25 Avoid contact with eyes  
S28 After contact with skin wash immediately with soap  
S29 Do not empty into drains  
S35 This material and its container must be disposed of in a safe way  
S36 Wear suitable protective clothing  
S51 Use only in well ventilated areas

**Regulatory Information** S60 This material and / or its container must be disposed of as hazardous waste.

SAFETY STATEMENT:

WORKPLACE HAZARD TRAINING REQUIRED FOR ALL EMPLOYEES WORKING WITH OR HANDLING THIS MATERIAL.

RISK ASSESSMENT:

RISK ASSESSMENT RECOMMENDED FOR ALL TASKS RELATING TO THIS MATERIAL.

GENERAL COMMENT:

ASSESS RISKS TO ALL EMPLOYEES WORKING WITH OR HANDLING THIS MATERIAL. IF DOUBT EXISTS SEEK OCCUPATIONAL HYGIENE ADVICE.

## CONTACT POINT

<b>Contact</b>	Gerry Ganser:	R&D Manager CRC
	Phone:	+61 08 8260 2588 Fax +61 08 8262 7658
	Emergency 24 hr phone:	+61 2 9634 2088
	Web:	<a href="http://www.spattershield.com">www.spattershield.com</a>
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This MSDS was prepared by Amdel Industrial Services from sources, which are assumed to be accurate. This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to handle and use the product in the work place.

Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products. An appropriate risk assessment should be carried out in accordance with any legal requirements. Contact an Occupational Hygienist for specific advice.

CAUTION: Should the composition of the products referred to in the MSDS change, rendering this document inaccurate, reissue of the MSDS is required.

Amdel Industrial Services makes no representation with regard to completeness or accuracy of the information contained in this data sheet, and accepts no responsibility for loss or damage whatsoever resulting from the use of, or reliance upon, the information and recommendations herein.

MSDS approved and authorised by Occupational Hygienist - Amdel Industrial Services, Phone +61 2 4902 4865.