


## MATERIALS SAFETY DATA SHEET

	MSDS No:	<b>011</b>	Issue No:	<b>1</b>
	Issue Date:	<b>14/01/14</b>		
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<b>PRODUCT</b>	<b>NovaWeld SignFix 18</b>			

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	Signfix 18
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#### 1.3. Details of the supplier of the safety data sheet

Company	Innova Solutions Ltd
Address	Lower Draught Gates Farm Burnley Road Colne Lancashire BB8 8PW
Web	www.innovasolutions.co.uk
Telephone	+44(0)1282 867390

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	F; R11 C; R34 Xn; R20 Xi; R37-43 R52/53 Symbols: F: Highly flammable. C: Corrosive.
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#### 2.2. Label elements

Symbols	The product is classified in accordance with 67/548/EEC. F: Highly flammable. C: Corrosive.
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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Methyl methacrylate	607-035-00-6	80-62-6	201-297-1		60 - 70%	F; R11 Xi; R37/38 R43
2-Hydroxyethyl methacrylate	607-124-00-X	868-77-9	212-782-2		1 - 10%	Xi; R36/38 R43
2-Methylpropenoic acid (Methacrylic acid)	607-088-00-5 617-002-00-8	79-41-4 80-15-9	201-204-4 201-254-7		1 - 10%	Xn; R21/22 C; R35 O; R7 T; R23 Xn; R21/22-48/20/22 C; R34 N; R51/53
Glycidyl methacrylate	607-123-00-4	106-91-2	203-441-9		1 - 10%	Xn; R20/21/22 Xi; R36/38

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

Inhalation	Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Causes burns. Causes severe inflammation and may damage the cornea. Seek medical attention.
Skin contact	Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. <i>Seek medical attention if irritation or symptoms persist.</i>
Ingestion	Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Use as appropriate: Carbon dioxide (CO2), Dry chemical, Foam.

#### 5.2. Special hazards arising from the substance or mixture

Corrosive. Burning produces irritating, toxic and obnoxious fumes. Highly flammable. Vapour may travel considerable distance to source of ignition and flash back.

#### 5.3. Advice for firefighters

Self-contained breathing apparatus. Wear protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Eliminate all sources of ignition. Wear suitable protective equipment.

#### 6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

#### 6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Use explosion proof equipment. Keep away from sources of ignition - No smoking.

#### 7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1. Exposure Limit Values

2-Methylpropenoic acid (Methacrylic acid)	WEL 8-hr limit ppm: 20	WEL 8-hr limit mg/m3: 72
	WEL 15 min limit ppm: 40	WEL 15 min limit mg/m3: 143
Methyl methacrylate	WEL 8-hr limit ppm: 50	WEL 8-hr limit mg/m3: 208
	WEL 15 min limit ppm: 100	WEL 15 min limit mg/m3: 416

#### 8.2. Exposure controls

8.2.1. Appropriate engineering controls: Ensure adequate ventilation of the working area.

#### 8.2. Exposure controls

8.2.2. Individual protection measures:

- Wear chemical protective clothing.
- Approved safety goggles. Face shield.
- Chemical resistant gloves (PVC).
- Handprotection: Wear self-contained breathing apparatus.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Violet
Odour	Strong

### SECTION 10: Stability and reactivity

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Oxidising agents.

#### 10.4. Conditions to avoid

Heat, sparks and open flames.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Skin corrosion/irritation: Causes burns.

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**SECTION 12: Ecological information**

12.4. Mobility in soil

No data is available on this product.

**SECTION 13: Disposal considerations**

General information

Dispose of in compliance with all local and national regulations.

**SECTION 14: Transport information**

Hazard pictograms



14.1. UN number

UN2920

14.2. UN proper shipping name

CORROSIVE LIQUID, FLAMMABLE, N.O.S.

14.3. Transport hazard class(es)

ADR/RID	8
Subsidiary risk	3
IMDG	8

14.3. Transport hazard class(es)

Subsidiary risk	3
IATA	8
Subsidiary risk	3

14.4. Packing group

Packing group II

14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

ADR/RID

Hazard ID	83
Tunnel Category	(D/E)

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**PRODUCT**

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IMDG

EmS Code: F-E S-C

IATA

Packing Instruction (Cargo)	855
Maximum quantity	30 L
Packing Instruction (Passenger)	851
Maximum quantity	1 L

**SECTION 15: Regulatory information**

Further information

Calculated Risk Phrases.

**SECTION 16: Other information**

Other information

Text of risk phrases in Section 3	<p>R7 - May cause fire.                  R11 - Highly flammable.                  R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.                  R21/22 - Harmful in contact with skin and if swallowed.                  R23 - Toxic by inhalation.                  R34 - Causes burns.                  R35 - Causes severe burns.                  R36/38 - Irritating to eyes and skin.                  R37/38 - Irritating to respiratory system and skin.                  R43 - May cause sensitisation by skin contact.                  R48/20/22 - Harmful: danger of serious damage to health by prolonged exposure through</p>
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General information

This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in