

MATERIALS SAFETY DATA SHEET



MSDS No:	042	Issue No:	2
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PRODUCT NovaWeld SignFix 11

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

1.1. Product identifier

Product name NovaWeld SignFix 11

1.3. Details of the supplier of the safety data sheet

Company	Innova Solutions Ltd
Address	Lower Draught Gates Farm Burnley Road Trawden, Lancashire BB8 8PW
Web	www.innovasolutionsonline.com
Telephone	+44 (0)1282 867390
Fax	+44 (0)1282 861077

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	F; R11 Xi; R36/37/38-43
Main hazards	Highly flammable. Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EINECS No.	REACH Registration Number	Conc. (%w/w)	Classification
Methyl methacrylate	607-035-00-6	80-62-6	201-297-1		70 - 80%	F; R11 Xi; R37/38 R43
2-Methylpropenoic acid (Methacrylic acid)	607-088-00-5	79-41-4	201-204-4		1 - 10%	Xn; R21/22 C; R35
	617-002-00-8	80-15-9	201-254-7		1 - 10%	O; R7 T; R23 Xn; R21/22-48/20/22 C; R34 N; R51/53
Bisphenol A-(epichlorhydrin) (reaction product)	603-074-00-8	25068-38-6	500-033-5		0 - 0.5%	Xi; R36/38 R43 N; R51/53

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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Move the exposed person to fresh air. Seek medical attention.
Eye contact	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	May cause irritation to skin. May cause dermatitis. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Harmful if swallowed. Ingestion may cause nausea and vomiting. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. 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

Highly flammable. Burning produces irritating, toxic and obnoxious fumes.

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. 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. Adopt best Manual Handling

7.2. Conditions for safe storage, including any incompatibilities

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

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

2-Methylpropenoic 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 8.2.2. Individual protection measures Eye / face protection	Ensure adequate ventilation of the working area.
	Wear chemical protective clothing.
	Approved safety goggles.

Skin protection - Handprotection Respiratory protection	Chemical resistant gloves (PVC).
	Self-contained breathing apparatus. Wear protective clothing.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Clear
Odour	Characteristic
Flash point	11.5

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

11.1.4. Toxicological Information

1,3-Diaminopropane	Oral Rat LD50 = 700mg/kg	Dermal Rabbit LD50 = 177mg/kg
Acrylated Adhesion Promoter	Dermal Rat LD50 = 1000	
Butylated Hydroxytoluene	Oral Rat LD50 = 1700mg/kg Dermal Guinea Pig LD50 = >8000mg/kg	Oral Mouse LD50 = 800-1600mg/kg
Chlorosulphonated Polyethylene	Dermal Rat LD50 = 836	Dermal Rabbit LD50 = 5377
Silane	Inhalation Rat LC50/4 h = >5mg/l Dermal Rabbit LD50 = >2.000mg/kg	Dermal Rat LD50 = 2.000mg/kg
Triethylborane-1,3-diaminopropane complex	Oral Rat LD50 = 700mg/kg	Dermal Rabbit LD50 = 200mg/kg
Triethyleneglycol Dimethacrylate	Dermal Rat LD50 = >5000	

SECTION 12: Ecological information

12.1. Toxicity

1,3-Diaminopropane	Daphnia EC50/48h = 27 mg/l	Fish LC50/96h = 1190 mg/l
Chlorosulphonated Polyethylene	Daphnia EC50/48h = 43 mg/l	Fish LC50/96h = 81.6 mg/l
Silane	Daphnia EC50/48h = 473 mg/l Fish LC50/96h = >100 mg/l	Algae IC50/72h = 255 mg/l
Triethylborane-1,3-diaminopropane complex	Daphnia EC50/48h = 27.2 mg/l	Fish LC50/96h = >100 mg/l
Triethyleneglycol Dimethacrylate	Fish LC50/96h = 16.4 mg/l	

SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations.

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SECTION 14: Transport information

Hazard pictograms	
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14.1. UN number

UN1133

14.2. UN proper shipping name

Proper Shipping Name	ADHESIVES
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ADR/RID	3
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

14.4. Packing group

Packing group	II
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14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

ADR/RID

Hazard ID	33
Tunnel Category	D/E

IMDG

EmS Code	F-E S-D
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IATA

Packing Instruction (Cargo)	307
Maximum quantity	60L
Packing Instruction (Passenger)	305
Maximum quantity	5L

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SECTION 15: Regulatory information

Labelling

Symbols	The product is classified in accordance with 67/548/EEC. F: Highly flammable. Xi: Irritant.
	 
Risk phrases	R11 - Highly flammable. R36/37/38 - Irritating to eyes, respiratory system and skin.
Safety phrases	S16 - Keep away from sources of ignition - No smoking. S24 - Avoid contact with skin. S37 - Wear suitable gloves.

Text of risk phrases in Section 3	<p>R10 - Flammable</p> <p>R11 - Highly flammable.</p> <p>R21 - Harmful in contact with skin.</p> <p>R21/22 - Harmful in contact with skin and if swallowed.</p> <p>R22 - Harmful if swallowed.</p> <p>R23 - Toxic by inhalation.</p> <p>R34 - Causes burns.</p> <p>R35 - Causes severe burns.</p> <p>R36/37/38 - Irritating to eyes, respiratory system and skin.</p> <p>R36/38 - Irritating to eyes and skin.</p> <p>R37/38 - Irritating to respiratory system and skin.</p> <p>R38 - Irritating to skin.</p> <p>R41 - Risk of serious damage to eyes.</p> <p>R43 - May cause sensitisation by skin contact.</p> <p>R48/20/22 - Harmful: danger of serious damage to health by prolonged exposure through</p>
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Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.