


# MATERIALS SAFETY DATA SHEET

	MSDS No:	<b>053</b>	Issue No:	<b>1</b>
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<b>PRODUCT</b>	<b>NovaBond Multi Surface Primer</b>			

## 1 PRODUCT AND COMPANY IDENTIFICATION

### 1.1 PRODUCT NAME:

NovaBond Multi Surface Primer

### 1.2 SUPPLIER OR COMPANY NAME:

Innova Solutions Ltd  
 Lower Draught Gates  
 Farm Burnley Road  
 Trawden  
 Lancs  
 BB8 8PW  
 Tel: +44 (0) 1282 867390  
 Fax: +44 (0) 1282 861077

## 2 COMPOSITION / INFORMATION OF INGREDIENTS

### 2.1 SUBSTANCE:

Name	EC-No.	CAS-No.	Content	Classification
Cyclohexane	203-806-2	110-82-7	40-55%	F; R11 Xn; R65, Xi; R38, R67 N; R50-R53
Toluene	203-625-9	1330-20-7	30-40%	F;R11 Repr. Cat. 3;R63 Xn;R48/20,R65 Xi;R38 R67
Isopropyl alcohol	200-661-7	67-63-0	1-8%	F;R11 Xi;R36 R67
Acrylate polymer	Trade Secret	Trade Secret	2-7%	Trade Secret
Epoxy resin	Trade Secret	Trade Secret	0.8-1.0%	Trade Secret

## 3 HAZARDS IDENTIFICATION:

### 3.1 Possible hazards

**Most important Hazards**

Adverse human health effects	:	Irritating to skin Harmful by inhalation and in contact with skin Harmful to aquatic organism, may cause long-term adverse effects in the aquatic environment
Classification/Specific hazards	:	Xn, R20/21. Xi; R38. R10, R52/53

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## PRODUCT

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## 4 FIRST AID

### 4.1 Inhalation

Move the exposed person away from the contaminated area into fresh air.

If the person feels unwell: Call a doctor immediately. Note: keep affected person away from heat, sparks and flames!

For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get medical attention immediately.

### 4.2 Skin contact

Remove affected person from source of contamination. Immediately remove contaminated clothing or footwear. Wash immediately with plenty of soap and water. Get medical attention if irritation persists after washing.

### 4.3 Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Immediately wash with plenty of water for a prolonged period while keeping the eyes wide open. Continue to rinse for at least 15 minutes. If irritation persists, consult an eye specialist.

### 4.4 Ingestion

Never attempt to induce vomiting! Remove victim immediately from source of exposure. Rinse mouth thoroughly. Provide rest, warmth and fresh air. Call a doctor immediately

## 5 FIRE FIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA.

Fire can be extinguished using: Foam, Dry chemicals, sand, dolomite, etc. Carbon dioxide (CO<sub>2</sub>). Water spray, fog or mist.

### 5.2 SPECIAL FIRE FIGHTING PROCEDURES:

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.


### 5.3 UNUSUAL FIRE & EXPLOSION HAZARDS:

If heated, volume and pressure increases strongly, resulting in explosion of container. Fire causes formation of toxic gases.

### 5.4 SPECIFIC HAZARDS:

Fire creates: Toxic gases/vapours/fumes of carbon Monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Chlorine, Hydrogen Chloride (HCl), Phosgene (COCl<sub>2</sub>).

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### 6 ACCIDENTIAL RELEASE MEASURES:

Personal precautions: Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions: Do not discharge into drains, water courses or onto the ground

Spill cleanup methods: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Clean-up personnel should use respiratory and/or liquid contact protection. Absorb in vermiculite, dry sand or earth and place into containers.

### 7 HANDLING AND STORAGE

#### 7.1 HANDLING AND STORAGE:

Usage precautions: Avoid spilling, skin and eye contact. Avoid inhalation of vapours. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above the accepted level. Use explosion proof electric equipment.

Storage precautions: Flammable/combustible. Keep away from oxidisers, heat and flames. Store in tightly closed original container in a cool, dry well-ventilated place. Keep in original container.

Storage class: Flammable liquid storage

### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION:

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Cyclohexane	300 ppm) TWA	300 ppm TWA; 1050 mg/m <sup>3</sup> TWA 1300 ppm IDLH (10 percent lower explosive limit)	300 ppm TWA; 1050 mg/m <sup>3</sup> TWA
Toluene	50 ppm TWA; skin - potential for cutaneous absorption	100 ppm TWA; 375 mg/m <sup>3</sup> TWA 500 ppm IDLH	200 ppm TWA; C 300 ppm; C 300 ppm

Ingredient comments  
WEL = Workplace exposure limits

Protective Equipment:

Engineering Measures: Explosion proof general and local exhaust ventilation. Respiratory protection must be used if air contamination exceeds acceptable level.

Respiratory equipment: Use protective gloves. Specific recommendations. Neoprene. Nitrile Use approved safety goggles or face shield.

Hand protection: Eye protection: Other protection: Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene Measures: Do not smoke in working area! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

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bonding people fixing problems



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## PRODUCT

**NovaBond Multi Surface Primer**

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Amber
Odour	Solvent
Solubility	Insoluble in water
Flash Point (°C)	4°C

## 10 STABILITY AND REACTIVITY

Stability	Stable under normal temperature conditions Avoid heat, flames and other sources of ignition
Conditions to avoid	Strong acids, strong alkalis, strong oxidising substances
Materials to avoid	Fire creates: Toxic gases/vapours/fumes of: carbon Monoxide (CO), Carbon dioxide (CO <sub>2</sub> ), Chlorine, Hydrogen Chloride (HCl), Phosgene (COCl <sub>2</sub> ).
Hazardous decomposition products	

## 11 TOXICOLOGICAL INFORMATION

General information	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
Inhalation	Vapour from this chemical can be hazardous when inhaled. Harmful by inhalation.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Irritating to skin. May cause skin irritation/eczema. Harmful in contact with skin.
Eye contact	May cause severe irritation to eyes. Irritation of eyes and mucous membranes.
Medical symptoms	

## 12 ECOLOGICAL INFORMATION

Ecotoxicity:  
This product contains a substance which is harmful to aquatic organism and which may cause long term adverse effects in the aquatic environment.

## 13 DISPOSAL CONSIDERATIONS

General information:	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Disposal methods:	Dispose of waste and residues in accordance with local authority requirements

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### 14 TRANSPORT INFORMATION

UK road class	3	UK Road Pack Group	III
Proper shipping name	Adhesives 1133	ADR Class	Class 3: Flamm liquids 30
UN No. Road	3	Hazard No. (ADR)	3Y
ADR. Class No. ADR	III	Hazchem Code RID	3
pack Group Cefic	3	Class No.	1133
Tec(R) No. RID Pack	30GF1-III, 30GF1-sp	UN No. Sea IMDG	3
Group IMDG Class	3	Page No. EMS	F-E, S-D
IMDG Pack Group	III	Marine pollutant ICAO	No.
MFAG	See guide	Class	3
UN No. Air	1133		
Air Pack Group	III		

### 15 REGULARITY INFORMATION

Labelling	Harmful		
Contains Risk phrases	Toluene	R10 R38	Flammable Irritating to skin
		R20/21	Harmful by inhalation and in contact with skin
		R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Safety phrases	S24 S51	S36/37	Avoid contact with skin
	S60		Use only in well-ventilated areas
			Wear suitable protective clothing and gloves
	P14		This material and its container must be disposed of as hazardous waste
			Contains fatty acid-polyethyleamine polymer, Triethylenetetramine.
			May produce an allergic reaction

EU Directives:


System of specific information relating to Dangerous preparations 2001/587EEC statutory instruments:

Chemicals (Hazard information and Packaging) regulations. Control of Substances Hazardous to Health Approved code of practice:

Classification and labelling of substances and preparations dangerous for supply. Guidance notes:

Workplace exposure limits EH40. Introduction to local exhaust Ventilation HS (G) 37. CHIP for everyone HSG (108)

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### 16 OTHER INFORMATION

Information sources	Dangerous properties of industrial materials Report, N. Sax et.al.
Risk phrases in full:	
R10	Flammable Highly
R11 R20	flammable
R20/21	Harmful by inhalation
R21 R34	Harmful by inhalation and in contact with skin Harmful in
R36/37/38 R38	contact with skin
R43	Causes burns
R50/53	Irritating to eyes, respiratory system and skin. Irritating to skin
R52/53	May cause sensitisation by skin contact Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

#### Disclaimer

This safety data sheet should be used in conjunction with the technical sheets. It does not replace them. The information is given based on our knowledge of this product, at the time of publication. It is given in good faith. 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.