

Issue No: 3
This sheet supersedes version dated: 17.11.10
Version dated: 28.08.15

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 PRODUCT NAME:

NovaBond LSE 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
Ethylbenzene	202-849-4	100-41-4	10-30%	F; R11 Xn; R20
Fatty Acid-olyethyleamin Polymer		68082-29-1	< 1%	Xi; R36/37/38. N; R50/53. R43
Triethylenetetramine	203-950-6	112-24-3	< 1%	C; R34 Xn; R21 R43 R52/53
Xylene	215-535-7	1330-20-7	60-100%	R10 Xn; R20/21 Xi, r38

3 INFORMATION TO INGREDIENTS:

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

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 (CO₂).
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 (CO₂), Chlorine, Hydrogen Chloride (HCl), Phosgene (COCl₂).

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:

Name	Std	LT - ppm	LT - mg/m ³	ST - ppm	ST - mg/m ³
Xylene	WEL	50 (Sk)	220 (Sk)	100 (Sk)	441 (Sk)
Ethylbenzene	WEL	100 (Sk)	441 (Sk)	125 (Sk)	552 (Sk)

Ingredient comments

WEL = Workplace exposure limits

Protective Equipment:

Engineering Measures: Explosion proof general and local exhaust ventilation.

Respiratory equipment: Respiratory protection must be used if air contamination exceeds acceptable level.

Hand protection: Use protective gloves. Specific recommendations. Neoprene. Nitrile

Eye protection: Use approved safety goggles or face shield.

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.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Clear
Odour	Solvent
Solubility	Insoluble in water
Relative density	0,850 – 0,860 @20°C
Flash Point (°C)	27Sh CC (Setaflash closed cup)

10 STABILITY AND REACTIVITY

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

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.
Medical symptoms	Irritation of eyes and mucous membranes.

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

14 TRANSPORT INFORMATION

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

15 REGULARITY INFORMATION

Labelling	Harmful	
Contains	Xylene	
Risk phrases	R10	Flammable
	R38	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	Avoid contact with skin
	S51	Use only in well-ventilated areas
	S36/37	Wear suitable protective clothing and gloves
	S60	This material and its container must be disposed of as hazardous waste
	P14	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)

16 OTHER INFORMATION

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

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. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than given that for which it was intended. This does not in any way excuse the user from knowing and applying all regulations covering his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user fulfil his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility.