

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

LimeBound Part B

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

1.1. Product identifier

Product name	LimeBound Part B
CAS No.	28182-81-2
EC No.	500-060-2

1.3. Details of the supplier of the safety data sheet

Company	Limegate Solutions Limited
Address	Unit 6 Murray Business Centre Murray Road Orpington Kent BR5 3RE
Web	http://www.limegatesolutions.co.uk
Telephone	+44 (0)1959546208
Email	info@limegatesolutions.co.uk
Email address of the competent person	info@limegatesolutions.co.uk

1.4. Emergency telephone number


Emergency telephone number	+44 (0)1270 502891
Company	NCEC 24 hours

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Skin Sens. 1: H317; Acute Tox. 4: H332; STOT SE 3: H335;
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2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Skin Sens. 1: H317 - May cause an allergic skin reaction. Acute Tox. 4: H332 - Harmful if inhaled. STOT SE 3: H335 - May cause respiratory irritation.
Precautionary Statement: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of water/ . P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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2.2. Label elements

Precautionary Statement: Storage	P312 - Call a POISON CENTER/doctor/ /if you feel unwell. P321 - Specific treatment (see on this label). P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
	P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to licensed waste disposal site

SECTION 3: Composition/information on ingredients

3.1. Substances

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Hexamethylene diisocyanate, oligomers		28182-81-2	500-060-2	01-2119485796-17	90 - 100%	Skin Sens. 1: H317; Acute Tox. 4: H332; STOT SE 3: H335;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. If unconscious place in the recovery position. Get medical advice/attention.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Rinse mouth thoroughly. Drink 1 to 2 glasses of water. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Coughing, difficulty in breathing and in severe cases, loss of consciousness. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Eye contact	May cause irritation to eyes. Exposure may cause: Burning feeling and temporary redness.
Skin contact	May cause irritation to skin. Repeated exposure may cause skin dryness or cracking. Repeated or prolonged exposure may cause dermatitis. Sensitizer, Skin. Contains isocyanates. May produce an allergic reaction.
Ingestion	Irritating to mouth, throat and stomach.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	The product is not flammable. Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	Smoke, carbon monoxide, carbon dioxide. may be formed in fire conditions. isocyanates. In case of fire and/or explosion do not breathe fumes.
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5.3. Advice for firefighters

	In confined spaces, fire-fighters should wear self-contained breathing equipment apparatus and protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Wear suitable protective equipment. In case of inadequate ventilation wear respiratory protection.
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6.1. Personal precautions, protective equipment and emergency procedures

	Avoid contact with eyes and skin. Keep personnel away from spill. Keep public away from danger area. Keep upwind.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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6.4. Reference to other sections

	SECTION 13: Disposal considerations.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. When using do not eat, drink or smoke. Ensure adequate ventilation of the working area. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe gas/fumes/vapour/spray.
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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

8.2. Exposure controls



8.2.1. Appropriate engineering controls

	Ensure adequate ventilation of the working area.
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8.2.2. Individual protection measures

	Wear suitable protective clothing.
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Eye / face protection

	Wear: Safety glasses.
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Skin protection - Handprotection

	Wear: Chemical resistant gloves (PVC).
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Respiratory protection

	In case of insufficient ventilation, wear suitable respiratory equipment. Suitable half mask respirator with filter P3 (EN 141ABE1).
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear/Colourless
Odour	Pungent
Melting point	-28.4 °C
Freezing Point	-51.3 °C
Initial boiling point	418 °C
Flash point	228 °C
Vapour pressure	0.0025 Pa
Autoignition temperature	Not determined
Decomposition temperature	≈ 250 °C
Solubility	Slightly soluble in water

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9.2. Other information

Specific gravity ≈ 1.17

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Will not decompose if stored and used as recommended.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Moisture. Direct sunlight. Do NOT allow to freeze. Eliminate all sources of ignition. Keep only in the original container at a temperature not exceeding 30 °C.

10.5. Incompatible materials

Water. Keep away from food, drink and animal feedingstuffs.

10.6. Hazardous decomposition products

Smoke, carbon monoxide, carbon dioxide. isocyanates.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Respiratory or skin sensitisation	May cause sensitisation by skin contact. May cause an allergic skin reaction. Sensitizer, Lungs.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No teratogenic effects reported.
STOT-single exposure	No known adverse health effects.
STOT-repeated exposure	No known adverse health effects.
Aspiration hazard	No known adverse health effects.

11.1.4. Toxicological Information

No data available

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

Not readily biodegradable.

12.3. Bioaccumulative potential

No data is available on this product.

12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

This product does not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

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General information

	Dispose of in compliance with all local and national regulations. 08 05 01* waste isocyanates.
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Disposal methods

	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Do not flush into surface water.
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Disposal of packaging

	Empty containers can be cleaned with water. Empty containers can be sent for disposal or recycling.
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SECTION 14: Transport information

14.1. UN number

	The product is not classified as dangerous for carriage.
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14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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14.4. Packing group

	The product is not classified as dangerous for carriage.
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14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
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14.6. Special precautions for user

	The product is not classified as dangerous for carriage.
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	The product is not classified as dangerous for carriage.
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Further information

	The product is not classified as dangerous for carriage.
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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations	<p>This Safety Data Sheet has been prepared in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Classification has been made in accordance with Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation).</p> <p>EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59. This product does not contain SVHC's >=0.1%</p> <p>EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction This product does not contain substances subject to restriction</p> <p>EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorisation This product does not contain substances subject to authorisation</p> <p>Ozone-depleting substances (ODS) regulation (EC) 1005/2009 N/A.</p>
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SECTION 16: Other information**Other information**

Data sources	Data extracted from individual component Safety Data Sheets.
Text of Hazard Statements in Section 3	Skin Sens. 1: H317 - May cause an allergic skin reaction. Acute Tox. 4: H332 - Harmful if inhaled. STOT SE 3: H335 - May cause respiratory irritation.

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 combination with any other materials or in any other process.
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