ULTRABIND

Ultrabind Part B - Professional

Issued: 2023-03-28

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

1.1. Product identifier

Trade name
Ultrabind Part B - Professional

Article No.
ULT002B

Contains
non-volatile isocyanate

Synonyms
Resinbound Part B

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product type
Activator.

Relevant identified uses
Resin. Activator.

1.3. Details of the supplier of the safety data sheet

SDS created by
B. Fotheringham

Manufacturer
Resincoat Ltd

Street address
Unit 21a
Kinsley Industrial Estate
Hoyle Mill Road

WF95JB Kinsley
United Kingdom

Telephone
03300570695

Email
info@resincoat.co.uk

Web site
https://www.resincoat.co.uk/

Email address
info@resincoat.co.uk

1.4. Emergency telephone number

Poison center/Additional emergency number
+44 20 7188 7188 - Guy's & St Thomas' Poisons Unit
0344 892 0111 - National Poisons Information Service (Newcastle Centre)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification
Skin sensitisation, hazard category 1, sub-category 1A
Skin sensitisation, hazard category 1, sub-category 1B
Skin sensitisation, hazard category 1
Acute toxicity, inhalation, hazard category 4
Specific Target Organ Toxicity — Single exposure, hazard category 3 - respiratory tract irritation

Hazard statements
H317, H332, H335

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

Signal word
Warning

Hazard statements
H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

Precautionary statements

P271 Use only outdoors or in a well-ventilated area.
P260 Do not breathe .
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
Hexamethylene diisocyanate, homopolymer	28182-81-2 931-274-8 01-2119485796-17-0006 -	≥99 - 100%	Skin Sens. 1, Acute Tox. 4 - inhalation, STOT SE 3 - resp. tract irrit.	H317, H332, H335 - -	-
Hexamethylene diisocyanate	822-06-0 212-485-8 01-2119457571-37-XXXX -	0 - ≤0.1%	Acute Tox. 4 - oral, Skin Corr. 1C, Skin Sens. 1, Eye Dam. 1, Acute Tox. 1 - inhalation, Resp. Sens. 1	H302, H314, H317, H318, H330, H334 - -	-

Substance additional information

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Contact physician if irritation persists. Place unconscious person on the side in the recovery position and ensure breathing can take place. Never give liquid to an unconscious person. Get immediate medical advice/attention.

Inhalation

Remove person to fresh air and keep comfortable for breathing.

Skin contact

Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Contact physician if irritation continues or sores develop.

Eye contact

Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyes wide apart.

Ingestion

Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention immediately!

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

May cause an allergic skin reaction. Difficulty in breathing.

4.3. Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Closed containers can burst violently when heated, due to excess pressure build-up. Burning releases: Carbon monoxide (CO), Carbon Dioxide (CO2), Oxides of nitrogen.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Clean-up personnel should use respiratory and/or liquid contact protection.

6.2. Environmental precautions

Do not discharge onto the ground or into water courses.

6.3. Methods and material for containment and cleaning up

Large quantities should not be discharged into the drain but removed with absorbing material. Collect with non-combustible absorbent material. Flush with water. Dike for large spills. Addition of water will cause the product to set as a hard material

6.4. Reference to other sections

No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Store under well-ventilated conditions at a temperature below 25°C. Avoid inhalation of vapours and contact with skin and eyes. Keep away from heat, sparks and open flame.

General hygiene

Keep away from food, drink and animal feeding stuffs.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Avoid contact with oxidising agents.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m³	Short-term exposure limit ppm / mg/m³	Source	Remark	Year
Hexamethylene diisocyanate, homopolymer	28182-81-2 931-274-8	- 0.02	- 0.07	EH40/2005 (Fourth edition, 2020). HSE	Sen (Capable of causing occupational asthma)	2020
Hexamethylene diisocyanate	822-06-0 212-485-8	- 0.02	- 0.07	EH40/2005 (Fourth edition, 2020). HSE	Capable of causing occupational asthma.	2020

8.2. Exposure controls

Eye / face protection

Wear approved, tight fitting safety glasses where splashing is probable.

Hand protection

Wear protective gloves. Wash hands thoroughly after handling. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Other skin protection

Use protective clothing, which covers arms and legs.

Respiratory protection

Do not use in confined spaces without adequate ventilation and/or respirator.

Other

Wash contaminated clothing before reuse. Provide eyewash station and safety shower.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Clear.

Odour
Mild.

Melting point / freezing point
No data available

Boiling point or initial boiling point and boiling range
No data available

Flammability
No data available

Lower and upper explosion limit
No data available

Flash point
50 °C

Auto-ignition temperature
No data available

Decomposition temperature
No data available

pH
No data available

Kinematic viscosity
540 cSt

Solubility
Insoluble in water.

Partition coefficient n-octanol/water
No data available

Vapour pressure
No data available

Density and/or relative density
1.16 g/cm³

Relative vapour density
No data available

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal temperature conditions and recommended use.

10.2. Chemical stability
Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions
No data available

10.4. Conditions to avoid
In case of fire, toxic gases (CO, CO2, NOx) may be formed.

10.5. Incompatible materials
Exothermic reaction with: Ammonia or amines. Alcohols, glycols.

10.6. Hazardous decomposition products
In case of fire, toxic gases (CO, CO2, NOx) may be formed.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals
Hexamethylene diisocyanate, homopolymer 28182-81-2 / 931-274-8	LC50	3.9 mg/l	Inhalation.	4 hours	Rat
Hexamethylene diisocyanate, homopolymer 28182-81-2 / 931-274-8	LD50	2500 mg/kg bodyweight	Oral	-	Rat
Hexamethylene diisocyanate, homopolymer 28182-81-2 / 931-	LD50	2000 mg/kg bodyweight	Dermal	-	Rat

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals
274-8					

Respiratory or skin sensitisation

Product / Substance name CAS / EC no.	Other
Hexamethylene diisocyanate, homopolymer 28182-81-2 / 931-274-8	May cause an allergic skin reaction.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

STOT-single exposure

Product / Substance name CAS / EC no.	Other
Hexamethylene diisocyanate, homopolymer 28182-81-2 / 931-274-8	May cause respiratory irritation.

Aspiration hazard
Based on available data, the classification criteria are not met.

11.2. Information on other hazards
No data available

SECTION 12: Ecological information

12.1. Toxicity
Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Hexamethylene diisocyanate	LC50	100mg/l	96 hours	Fish

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
822-06-0 / 212-485-8				

Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure
Hexamethylene diisocyanate 822-06-0 / 212-485-8	EC50	77.4 mg/l	72 hours

Micro-/macro organism toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Hexamethylene diisocy-anate 822-06-0 / 212-485-8	EC50	824 mg/l	3 hours	Bacteria

Chronical toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Species
Hexamethylene diisocyanate, homopolymer 28182-81-2 / 931-274-8	EC50	127 mg/l	Daphnia

12.2. Persistence and degradability

Persistence and degradability

Product / Substance name CAS / EC no.	Remark
Hexamethylene diisocyanate, homopolymer 28182-81-2 / 931-274-8	Not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

Product / Substance name CAS / EC no.	LogKow / LogPow	Bioconcentration factor (BCF)	Remark
Hexamethylene diisocyanate, homopolymer 28182-81-2 / 931-274-8	8.91 (Log Kow)	-	Bioaccumulation unlikely.
Hexamethylene diisocyanate 822-06-0 / 212-485-8	0.02	57.63	Bioaccumulation: Is not expected to be bioaccumulable.

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

Product / Substance name CAS / EC no.	Remark
Hexamethylene diisocyanate, homopolymer 28182-81-2 / 931-274-8	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Dispose of waste and residues in accordance with local authority requirements. Contact specialist disposal companies. Do not allow runoff to sewer, waterway or ground. Note that fully cured material is not considered as hazardous waste.

SECTION 14: Transport information

14.1. UN number
Not applicable

14.2. UN proper shipping name
Not applicable

14.3. Transport hazard class(es)
Not applicable

14.4. Packing group
Not applicable

14.5. Environmental hazards
Do not release into the environment.

14.6. Special precautions for user
Not applicable

14.7. Maritime transport in bulk according to IMO instruments
Not applicable

Other
The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/AND/RID).

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
National regulations
No data available

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

SECTION 16: Other information

Phrase meaning

Skin Sens. 1 - Skin sensitisation, hazard category 1
Acute Tox. 4 - inhalation - Acute toxicity, inhalation, hazard category 4
STOT SE 3 - resp. tract irrit. - Specific Target Organ Toxicity — Single exposure, hazard category 3 - respiratory tract irritation
Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4
Skin Corr. 1C - Skin corrosion, hazard category 1C
Eye Dam. 1 - Serious eye damage, hazard category 1
Acute Tox. 1 - inhalation - Acute toxicity, inhalation, hazard category 1
Resp. Sens. 1 - Respiratory sensitisation, hazard category 1
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H330 Fatal if inhaled.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.