

**Safety Data Sheet**

according to WHMIS

**SEPTICARE II Bond Express XL Component B**

Revision date: 2024-09-27

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**1. Identification****Product identifier**

SEPTICARE II Bond Express XL Component B

**Product code:**

106652001

**Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**Adhesives, sealants (Curing agent)  
Restricted to professional users.**Details of the supplier of the safety data sheet**

Company name:	UKAL Élevage	
Street:	2 rue de l'Étang Parc économique de la Sauer	
Place:	F-67360 ESCHBACH	
Telephone:	+33 3 88 07 40 15	Telefax: +33 3 88 07 40 14
E-mail (Contact person):	ukalel@ukal.com	
Internet:	www.ukal.com	

**Emergency telephone number:** +49 55 11 92 40 GIZ Nord Göttingen (24 / 7)**2. Hazard identification****Classification of the substance or mixture****WHMIS 2015**

Acute toxicity: Acute Tox. 4 (inhalation)  
Skin corrosion/irritation: Skin Irrit. 2  
Serious eye damage/eye irritation: Eye Irrit. 2  
Respiratory or skin sensitization: Resp. Sens. 1  
Respiratory or skin sensitization: Skin Sens. 1  
Carcinogenicity: Carc. 2  
Specific target organ toxicity - single exposure: STOT SE 3 (respiratory tract irritation)  
Specific target organ toxicity - repeated exposure: STOT RE 2

**Label elements****WHMIS 2015****Signal word:**

Danger

**Pictograms:****Hazard statements**

Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
Harmful if inhaled.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause respiratory irritation.  
Suspected of causing cancer.  
May cause damage to organs through prolonged or repeated exposure.

**Precautionary statements**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.

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**Precautionary statements**

Do not breathe dust/fume/gas/mist/vapours/spray.  
Wash hands thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves and eye protection/face protection.  
In case of inadequate ventilation wear respiratory protection.  
IF ON SKIN: Wash with plenty of water and soap.  
Take off contaminated clothing and wash it before reuse.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
If experiencing respiratory symptoms: Call a POISON CENTER/doctor.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.  
IF exposed or concerned: Get medical advice/attention.  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.  
Dispose of waste according to applicable legislation.

**Other hazards**

Contains isocyanates. May produce an allergic reaction.

**3. Composition/information on ingredients****Mixtures****Relevant ingredients**

CAS No	Chemical name	Quantity
25686-28-6	4,4'-Methylenediphenyl diisocyanate, oligomers	60 - < 80% (*)
	MDI-based polyisocyanate-prepolymer	15 - < 40% (*)

(\*) The actual concentration is withheld as a trade secret.

**4. First-aid measures****Description of first aid measures****General information**

When in doubt or if symptoms are observed, get medical advice.  
If unconscious but breathing normally, place in recovery position and seek medical advice.

**After inhalation**

Provide fresh air. No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator. Medical treatment necessary.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

**After contact with eyes**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Remove contact lenses, if present and easy to do. Continue rinsing.

**After ingestion**

Observe risk of aspiration if vomiting occurs. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

**Most important symptoms and effects, whether acute or delayed**

No information available.

**Indication of immediate medical attention and special treatment needed**

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Treat symptomatically.

**5. Fire-fighting measures****Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>), Extinguishing powder, Water spray jet. In case of major fire and large quantities: Water spray jet, alcohol resistant foam.

Co-ordinate fire-fighting measures to the fire surroundings.

**Unsuitable extinguishing media**

Full water jet.

**Specific hazards arising from the hazardous product**

Non-flammable.

In case of fire may be liberated: Pyrolysis products, toxic.

**Special protective equipment and precautions for fire-fighters**

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

**Additional information**

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures****General advice**

Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Evacuate area.

**For non-emergency personnel**

Provide adequate ventilation. Use personal protection equipment.

**For emergency responders**

Wear personal protection equipment (refer to section 8).

**Environmental precautions**

Do not allow to enter into surface water or drains.

**Methods and material for containment and cleaning up****For containment**

Stop leak if safe to do so.

**For cleaning up**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**Other information**

Clean contaminated articles and floor according to the environmental legislation.

**Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**7. Handling and storage****Precautions for safe handling****Advice on safe handling**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

**Advice on protection against fire and explosion**

Usual measures for fire prevention.

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**Advice on general occupational hygiene**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

**Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations. Handle and open container with care.

**Hints on joint storage**

Keep away from food, drink and animal feedingstuffs.

**Further information on storage conditions**

Protect from moisture. Store in a cool dry place.

**8. Exposure controls/Personal protection****Control parameters****Exposure limits (ACGIH)**

CAS No	Chemical name	ppm	mg/m <sup>3</sup>	Category	Origin
101-68-8	Methylene bisphenyl isocyanate	0.005	0.051	TWA (8 h)	ACGIH-2024

**Exposure controls****Appropriate engineering controls**

Provide adequate ventilation as well as local exhaust at critical locations.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Use eye protection according to EN 166. Tightly sealed safety glasses.

**Hand protection**

Wear suitable gloves tested to EN374.

Suitable material: Butyl caoutchouc (butyl rubber), NBR (Nitrile rubber), CR (polychloroprene, chloroprene rubber), FKM (fluoro rubber).

Thickness of the glove material:  $\geq 0,35 - 0,5$  mm

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Skin protection**

Wear suitable protective clothing.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

short-term: Combination filter device (DIN EN 141).. Filter type: A/P2

long-term: Self-contained respirator (breathing apparatus) Self-contained respirator (breathing apparatus)

**Thermal hazards**

No information available.

**Environmental exposure controls**

Avoid release to the environment.

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**9. Physical and chemical properties****Information on basic physical and chemical properties**

Physical state:	Liquid
Colour:	colourless
Odour:	characteristic
Odour threshold:	not determined
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	> 300 °C
Flammability:	This material is combustible, but will not ignite readily.
Lower explosive limits:	not determined
Upper explosive limits:	not determined
Flash point:	> 200 °C
Auto-ignition temperature:	> 400 °C
Decomposition temperature:	not determined
pH-Value:	not determined
Viscosity / kinematic:	not determined
Water solubility:	Immiscible
Solubility in other solvents	not determined
Partition coefficient n-octanol/water:	not determined
Vapour pressure (at 20 °C):	< 0,00001 (MDI) hPa
Density (at 20 °C):	1,16 g/cm <sup>3</sup>
Relative vapour density:	not determined
Particle characteristics:	not applicable

**Other information****Other safety characteristics**

Viscosity / dynamic (at 20 °C): 700 mPa·s

**Further Information**

No information available.

**10. Stability and reactivity****Reactivity**

No hazardous reaction when handled and stored according to provisions.

**Chemical stability**

The product is stable under storage at normal ambient temperatures.

**Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

**Conditions to avoid**

Protect from moisture.

**Incompatible materials**

No information available.

**Hazardous decomposition products**

In case of fire may be liberated: Pyrolysis products, toxic.

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**11. Toxicological information****Information on toxicological effects****Acute toxicity**

Harmful if inhaled.

**ATEmix calculated**

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation vapour) 11,00 mg/l; ATE (inhalation dust/mist) 1,500 mg/l

CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
25686-28-6	4,4'-Methylenediphenyl diisocyanate, oligomers				
	oral	LD50 > 5000 mg/kg	Rat	Pre-supplier/manufacturer	
	dermal	LD50 > 9400 mg/kg	Rat	Pre-supplier/manufacturer	
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			
	MDI-based polyisocyanate-prepolymer				
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			

**Irritation and corrosivity**

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye irritation.

**Sensitizing effects**

May cause allergy or asthma symptoms or breathing difficulties if inhaled. (4,4'-Methylenediphenyl diisocyanate, oligomers; MDI-based polyisocyanate-prepolymer)

May cause an allergic skin reaction. (4,4'-Methylenediphenyl diisocyanate, oligomers; MDI-based polyisocyanate-prepolymer)

**Carcinogenic/mutagenic/toxic effects for reproduction**

Suspected of causing cancer. (4,4'-Methylenediphenyl diisocyanate, oligomers; MDI-based polyisocyanate-prepolymer)

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

Reproductive toxicity: Based on available data, the classification criteria are not met.

**STOT-single exposure**

May cause respiratory irritation. (4,4'-Methylenediphenyl diisocyanate, oligomers; MDI-based polyisocyanate-prepolymer)

**STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure. (4,4'-Methylenediphenyl diisocyanate, oligomers; MDI-based polyisocyanate-prepolymer)

**Aspiration hazard**

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

**Information on likely routes of exposure**

oral, Skin contact, Eye contact, Inhalation.

**Information on other hazards****Other information**

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

**Name of toxicologically synergistic products**

No information available.

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**12. Ecological information****Ecotoxicity**

The product is not: Ecotoxic.

**Persistence and degradability**

The product has not been tested.

**Bioaccumulative potential**

The product has not been tested.

**Mobility in soil**

The product has not been tested.

**Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**Other adverse effects**

No information available.

**Further information**

Avoid release to the environment.

**13. Disposal considerations****Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

**Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.

**14. Transport information****Canadian TDG**

**Proper shipping name:** No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

**UN number or ID number:** No dangerous good in sense of this transport regulation.

**United Nations proper shipping name:** No dangerous good in sense of this transport regulation.

**Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**Packing group:** No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

**UN number or ID number:** No dangerous good in sense of this transport regulation.

**United Nations proper shipping name:** No dangerous good in sense of this transport regulation.

**Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**Packing group:** No dangerous good in sense of this transport regulation.

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**15. Regulatory information****Canadian regulations****DSL/NDSL inventory status**

CAS No. 25686-28-6: DSL - Yes. / NDSL - No.

MDI-based polyisocyanate-prepolymer: DSL - No. / NDSL - No.

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**National Pollutant Release Inventory (NPRI)**

CAS No. 25686-28-6: No.

MDI-based polyisocyanate-prepolymer: No.

**Additional information**

Observe in addition any national regulations!

**16. Other information****Abbreviations and acronyms**

ACGIH: American Conference of Governmental Industrial Hygienists

DSL: Domestic Substances List

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

DGR: Dangerous Goods Regulations

TI: Technical Instructions

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service

LES: Liste extérieure des substances

LIS: Liste intérieure des substances

NDSL: Non-Domestic Substances List

SIMDUT: Système d'information sur les matières dangereuses utilisées au travail

STEL: Short-term exposure limit

TDG: Transportation of Dangerous Goods

TMD: Transport des marchandises dangereuses

TWA: time-weighted average

WHMIS: Workplace Hazardous Materials Information System

UN: United Nations

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

EmS: Emergency Schedules

**Key literature references and sources for data**

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations). (v.1.2, 2013)

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*