

Safety Data Sheet

according to WHMIS

SEPTICARE II Bond Express XL Component A

Revision date: 2024-09-27

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1. Identification**Product identifier**

SEPTICARE II Bond Express XL Component A

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**Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2A
Respiratory or skin sensitization: Skin Sens. 1**Label elements****WHMIS 2015****Signal word:** Warning**Pictograms:****Hazard statements**Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.**Precautionary statements**Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash hands thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves and eye protection/face protection.
IF ON SKIN: Wash with plenty of water and soap.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
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.
Dispose of waste according to applicable legislation.

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Other hazards

No information available.

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

CAS No	Chemical name	Quantity
102-60-3	1,1',1'',1'''-ethylenedinitrilotetrapropan-2-ol	10 - < 30% (*)
106264-79-3	6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine	7 - < 13% (*)
1477-55-0	1,3-Benzoldimethanamine	1 - < 5% (*)
2768-02-7	trimethoxyvinylsilane; trimethoxy(vinyl)silane	0.5 - < 1.5% (*)

(*) 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.

After inhalation

Provide fresh air. If experiencing respiratory symptoms: Call a doctor.

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. In case of skin reactions, consult a physician.

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. Rinse mouth immediately and drink 1 glass of water. When in doubt or if symptoms are observed, get medical advice.

Most important symptoms and effects, whether acute or delayed

No information available.

Indication of immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures**Extinguishing media****Suitable extinguishing media**Carbon dioxide (CO₂), 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.

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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.

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. Store in a well-ventilated place. Store in a dry place.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

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

CAS No	Chemical name	ppm	mg/m ³	Category	Origin
1477-55-0	m-Xylene alpha,alpha'-diamine	0.018	-	Peak	ACGIH-2024

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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).

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

Breakthrough time: > 480 min

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.

Respiratory protection necessary at: exceeding exposure limit values

Thermal hazards

No information available.

Environmental exposure controls

Avoid release to the environment.

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

Physical state:	Liquid
Colour:	yellowish
Odour:	characteristic
Odour threshold:	not determined
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Flammability:	This material is combustible, but will not ignite readily.
Lower explosive limits:	not determined
Upper explosive limits:	not determined
Flash point:	> 150 °C
Auto-ignition temperature:	> 250 °C
Decomposition temperature:	not determined
pH-Value:	not determined
Viscosity / kinematic:	not determined
Water solubility:	Immiscible
Solubility in other solvents	

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not determined

Partition coefficient n-octanol/water:

not determined

Vapour pressure (at 20 °C):

not determined

Density (at 20 °C):

1,04 g/cm³

Relative vapour density:

not determined

Particle characteristics:

not applicable

Other information**Other safety characteristics**

Viscosity / dynamic (at 23 °C):

1600 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

No information available.

Incompatible materials

No information available.

Hazardous decomposition products

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

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

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

ATEmix calculated

ATE (oral) > 5000 mg/kg; ATE (dermal) > 5000 mg/kg; ATE (inhalation vapour) > 50 mg/l; ATE (inhalation dust/mist) > 12,5 mg/l

CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
106264-79-3	6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine				
	oral	LD50 1515 mg/kg	Rat	Pre-supplier/manufacter	
	dermal	LD50 > 2000 mg/kg	Rabbit	Pre-supplier/manufacter	
1477-55-0	1,3-Benzoldimethanamine				
	oral	LD50 930 mg/kg	Rat	Pre-supplier/manufacter	
	dermal	LD50 > 3100 mg/kg	Rat	Pre-supplier/manufacter	
	inhalation vapour	ATE 11 mg/l			
	inhalation (4 h) dust/mist	LC50 1,34 mg/l	Rat	Pre-supplier/manufacter	

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CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
2768-02-7	trimethoxyvinylsilane; trimethoxy(vinyl)silane				
	oral	LD50 6899 mg/kg	Rat	ECHA	
	dermal	LD50 3158 mg/kg	Rabbit	ECHA	
	inhalation (4 h) vapour	LC50 16,8 mg/l	Rat	ECHA	
	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 an allergic skin reaction. (6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine; 1,3-Benzoldimethanamine; trimethoxyvinylsilane; trimethoxy(vinyl)silane)

Carcinogenic/mutagenic/toxic effects for reproduction

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

Carcinogenicity: 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

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

STOT-repeated exposure

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

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.

12. Ecological information**Ecotoxicity**

Toxic to aquatic life with long lasting effects.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h][d]	Species	Source	Method
2768-02-7	trimethoxyvinylsilane; trimethoxy(vinyl)silane					
	Acute fish toxicity	LC50 191 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	ECHA	
	Acute algae toxicity	ErC50 > 957 mg/l	72 h	Desmodesmus subspicatus	ECHA	EU method C.3
	Acute crustacea toxicity	EC50 168,7 mg/l	48 h	Daphnia magna (Big water flea)	ECHA	EU method C.2

Persistence and degradability

The product has not been tested.

Bioaccumulative potential

The product has not been tested.

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Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
2768-02-7	trimethoxyvinylsilane; trimethoxy(vinyl)silane	1,1

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****UN number:**

UN 3082

Proper shipping name:ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine)**Hazard classes:**

9

Packing group:

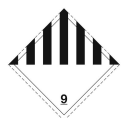
III

Hazard label:

9

Limited quantity:

5 L

**Marine transport (IMDG)****UN number or ID number:**

UN 3082

United Nations proper shipping name:ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine)**Transport hazard class(es):**

9

Packing group:

III

Hazard label:

9



Marine pollutant:

P

Special Provisions:

274 335 969

Limited quantity:

5 L

Excepted quantity:

E1

EmS:

F-A, S-F

Air transport (ICAO-TI/IATA-DGR)

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UN number or ID number:	UN 3082
United Nations proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine)
Transport hazard class(es):	9
Packing group:	III
Hazard label:	9



Special Provisions:	A97 A158 A197 A215
Limited quantity Passenger:	30 kg G
Passenger LQ:	Y964
Excepted quantity:	E1
IATA-packing instructions - Passenger:	964
IATA-max. quantity - Passenger:	450 L
IATA-packing instructions - Cargo:	964
IATA-max. quantity - Cargo:	450 L

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



Danger releasing substance: 6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine

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

CAS No. 102-60-3: DSL - Yes. /NDSL - No.
 CAS No. 106264-79-3: DSL - Yes. /NDSL - No.
 CAS No. 1477-55-0: DSL - Yes. / NDSL - No.
 CAS No. 2768-02-7: DSL - Yes. / NDSL - No.

National Pollutant Release Inventory (NPRI)

CAS No. 102-60-3: No.
 CAS No. 106264-79-3: No.
 CAS No. 1477-55-0: No.
 CAS No. 2768-02-7: 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

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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
SVHC: Substance of Very High Concern

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.)