

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Demotec Easy Bloc Express Liquid

Print date: 30.01.2015

Product code: 22455

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

#### 1.1. Product identifier

Demotec Easy Bloc Express Liquid

Product group: Liquid component

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

##### Use of the substance/mixture

Hoofcare system based on acrylic adhesive.

#### 1.3. Details of the supplier of the safety data sheet

Company name:	Demotec Demel e.K.	
Street:	Brentanostraße 22	
Place:	D-61130 Nidderau	
Telephone:	+49 (0)6187-905670	Telefax: +49 (0)6187-9056711
e-mail:	<a href="mailto:demotec@demotec.de">demotec@demotec.de</a>	
Contact person:	Alexander Demel	Telephone: +49 (0)6187-905670
e-mail:	<a href="mailto:demotec@demotec.de">demotec@demotec.de</a>	
Internet:	<a href="http://www.demotec.de">www.demotec.de</a>	

**1.4. Emergency telephone number:** Germany / Berlin +49 (0)30 - 19240

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Directive 67/548/EEC or 1999/45/EC

Indications of danger: Xi - Irritant  
 R phrases:  
 Irritating to eyes.  
 May cause sensitisation by skin contact.

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:  
 Serious eye damage/eye irritation: Eye Irrit. 2  
 Respiratory/skin sensitization: Skin Sens. 1  
 Hazard Statements:  
 May cause an allergic skin reaction.  
 Causes serious eye irritation.

#### 2.2. Label elements

##### Hazardous components which must be listed on the label

Hydroxypropylmethacrylat  
 1,4-Butandiol dimethacrylate

Signal word: Warning

Pictograms: GHS07



##### Hazard statements

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H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.

### Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Mixture basis on hydroxypropyl methacrylate and accelerator.

#### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
248-666-3	Hydroxypropylmethacrylat	95 - < 100 %
27813-02-1	Xi - Irritant R36-43 Eye Irrit. 2, Skin Sens. 1; H319 H317	
218-218-1	1,4-Butandiol dimethacrylate	1 - < 5 %
2082-81-7	R43 Skin Sens. 1; H317	
221-359-1	N,N-Bis(2-hydroxyethyl)-p-toluidin	1 - < 5 %
3077-12-1	Xn - Harmful, Xi - Irritant R22-41 Acute Tox. 4, Eye Dam. 1; H302 H318	
202-805-4	N,N-dimethyl-p-toluidine	< 1 %
99-97-8	T - Toxic R23/24/25-33-52-53 Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT RE 2, Aquatic Chronic 3; H301 H311 H331 H373 H412	

Full text of R-, H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated, saturated clothing immediately. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.

#### After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

#### After contact with skin

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

#### 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.

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### After ingestion

Rinse mouth immediately and drink plenty of water.

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

No information available.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

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

#### Unsuitable extinguishing media

Full water jet

### 5.2. Special hazards arising from the substance or mixture

Non-flammable.

### 5.3. Advice for firefighters

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.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

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

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3. Methods and material for containment and cleaning up

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

### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

No special measures are necessary.

#### Advice on protection against fire and explosion

No special fire protection measures are necessary.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed.

#### Advice on storage compatibility

No special measures are necessary.

### 7.3. Specific end use(s)

Hoofcare system

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

None

#### 8.2. Exposure controls

##### Protective and hygiene measures

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 or drink.

##### Eye/face protection

Suitable eye protection: goggles.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour:	characteristic

#### Test method

pH-Value:	not determined
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##### Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	209 °C
Flash point:	111 °C

##### Flammability

Solid:	not applicable
Gas:	not applicable

Lower explosion limits:	not determined
Upper explosion limits:	not determined

##### Auto-ignition temperature

Solid:	not applicable
Gas:	not applicable

Decomposition temperature:	not determined
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##### Oxidizing properties

Not oxidizing.

Vapour pressure: (at 20 °C)	0,11 hPa
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Density:	1,03 g/cm <sup>3</sup> DIN 12800
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Water solubility: 130 g/L OECD 116  
(at 25 °C)

**Solubility in other solvents**  
not determined

Partition coefficient: 0,97

Viscosity / kinematic: 8,9 mm<sup>2</sup>/s  
(at 20 °C)

Vapour density: not determined

Evaporation rate: not determined

### 9.2. Other information

Solid content: not determined

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

### 10.4. Conditions to avoid

none

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

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

#### Acute toxicity

CAS No	Chemical name	Exposure routes	Method	Dose	Species	Source
27813-02-1	Hydroxypropylmethacrylat	oral	LD50	11200 mg/kg	Rat	
2082-81-7	1,4-Butandiol dimethacrylate	oral	LD50	> 10000	Rat	
		dermal	LD50	> 3000 mg/kg	Rabbit	
3077-12-1	N,N-Bis(2-hydroxyethyl)-p-toluidin	oral	LD50	> 300 mg/kg	Rat	
99-97-8	N,N-dimethyl-p-toluidine	oral	ATE	100 mg/kg		

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dermal	ATE	300 mg/kg		
inhalative (4 h) vapour	LC50	1,4 mg/l	Rat	GESTIS
inhalative aerosol	ATE	0,5 mg/l		

### Irritation and corrosivity

Causes serious eye irritation.

### Sensitising effects

May cause an allergic skin reaction. (Hydroxypropylmethacrylat), (1,4-Butandiol dimethacrylate)

### STOT-single exposure

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

### Severe effects after repeated or prolonged exposure

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

### Carcinogenic/mutagenic/toxic effects for reproduction

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

### Aspiration hazard

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

### Additional information on tests

This mixture is classified as hazardous according to 1999/45/EC.

## SECTION 12: Ecological information

### 12.1. Toxicity

The product is not: Ecotoxic.

CAS No	Chemical name	Method	Dose	[h]   [d]	Species	Source
27813-02-1	Aquatic toxicity					
	Hydroxypropyl methacrylate					
	Acute fish toxicity	LC50	493 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute crustacea toxicity	EC50	> 130 mg/l	48 h	Daphnia magna (Big water flea)	OECD 202
	Acute bacteria toxicity		(> 97,2 mg/l)	3 h	Selenastrum capricornutum	OECD 201
2082-81-7	1,4-Butandiol dimethacrylate					
	Acute fish toxicity	LC50	32,5 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute crustacea toxicity	EC50	7,51 mg/l	48 h	Daphnia magna (Big water flea)	OECD 211
	Crustacea toxicity	NOEC	7,51 mg/l		Selenastrum capricornutum	
99-97-8	N,N-dimethyl-p-toluidine					
	Acute fish toxicity	LC50	52 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	

### 12.2. Persistence and degradability

The product has not been tested.

### 12.3. Bioaccumulative potential

The product has not been tested.

### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
27813-02-1	Hydroxypropylmethacrylat	0,97
2082-81-7	1,4-Butandiol dimethacrylate	3,1
99-97-8	N,N-dimethyl-p-toluidine	2,81

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### 12.4. Mobility in soil

The product has not been tested.

### 12.5. Results of PBT and vPvB assessment

The product has not been tested.

### 12.6. Other adverse effects

No information available.

### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

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

#### Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

### Land transport (ADR/RID)

#### 14.1. UN number:

No dangerous good in sense of this transport regulation.

#### 14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

#### 14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

#### 14.4. Packing group:

No dangerous good in sense of this transport regulation.

### Inland waterways transport (ADN)

#### 14.1. UN number:

No dangerous good in sense of this transport regulation.

#### 14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

#### 14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

#### 14.4. Packing group:

No dangerous good in sense of this transport regulation.

### Marine transport (IMDG)

#### 14.1. UN number:

No dangerous good in sense of this transport regulation.

#### 14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

#### 14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

#### 14.4. Packing group:

No dangerous good in sense of this transport regulation.

### Air transport (ICAO)

#### 14.1. UN number:

No dangerous good in sense of this transport regulation.

#### 14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

#### 14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

#### 14.4. Packing group:

No dangerous good in sense of this transport regulation.

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### 14.6. Special precautions for user

No information available.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not applicable

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### SECTION 15: Regulatory information

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

##### EU regulatory information

2010/75/EU (VOC): 0,3 % (3,09 g/l)

2004/42/EC (VOC): 0,3 % (3,09 g/l)

##### Additional information

To follow: 850/2004/EC , 79/117/EEC , 689/2008/EC

##### National regulatory information

Employment restrictions: Observe employment restrictions for young people.

Water contaminating class (D): 2 - water contaminating

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

#### Relevant R-phrases (Number and full text)

- |          |   |
|----------|---|
| 22       | Harmful if swallowed.   |
| 23/24/25 | Toxic by inhalation, in contact with skin and if swallowed.     |
| 33       | Danger of cumulative effects.                                   |
| 36       | Irritating to eyes.   |
| 41       | Risk of serious damage to eyes.                                 |
| 43       | May cause sensitisation by skin contact.                        |
| 52       | Harmful to aquatic organisms.                                   |
| 53       | May cause long-term adverse effects in the aquatic environment. |

#### Relevant H- and EUH-phrases (Number and full text)

- |      |  |
|------|--|
| H301 | Toxic if swallowed.  |
| H302 | Harmful if swallowed.  |
| H311 | Toxic in contact with skin.  |
| H317 | May cause an allergic skin reaction.                               |
| H318 | Causes serious eye damage.   |
| H319 | Causes serious eye irritation.                                     |
| H331 | Toxic if inhaled.  |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H412 | Harmful to aquatic life with long lasting effects.                 |

#### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The



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information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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