

# EC Safety Data Sheet

Polycol B



Date of issue / Reference

30.04.04 HIL

Replaces version of

31.03.03 HIL

Date of printing

14.06.2005 Sheet no. 1001

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Company

Habasit AG, Römerstrasse 1, CH-4153 Reinach

Tel. ++41 (0) 61/ 715 15 15 Telefax ++41 (0) 61/ 715 15 55

## 1 Commercial product name and supplier

1.1 Commercial product name / designation

**Polycol B**

1.2 Application / use

2-component adhesive for polyester

1.3 Producer

Habasit AG, Römerstrasse 1, CH-4153 Reinach

Tel. ++41 (0) 61/ 715 15 15 Telefax ++41 (0) 61/ 715 15 55

1.4 Supplier

Habasit AG, Römerstrasse 1, CH-4153 Reinach

Tel. ++41 (0) 61/ 715 15 15 Telefax ++41 (0) 61/ 715 15 55

1.5 TOX emergency number

++41 (0)1/ 251 51 51

(Toxicological Information Centre, CH-Zurich)

1.6 Product No.

Polycol B

## 2 Composition

2.1 Chemical characterisation

About 30 % isocyanate solution in ethyl acetate

CAS No.:

Ethyl acetate: 141-78-6

Trimethylolpropane-toluidine diisocyanates:

Tris-(isocyanate-phenyl)-thiophosphate: 4151-51-3

2.2 Hazardous components

Dangerous substances according to the criteria of the EC (Council Directive 88/379/EEC):

CAS No. 4151-51-3

EC No.

ca. 10 % tris-(p-isocyanate-phenyl)-thiophosphate

F,Xn,R-42-18

CAS No. 141-78-6

EC No. 205-500-4

>50 % Ethyl acetate

Xi,F,R-11-36-66-67

CAS No.

EC No.

2,4-/2,6-diisocyanate-toluene

T; R: 23-36/37/38-42

2.3 Further information

None

## 3 Hazards identification

Highly flammable. Irritating to eyes. May cause sensitization by inhalation.

Contains isocyanates (please read the producer's technical documents).

In use, may form flammable/explosive vapour-air mixture.

## 4 First aid measures

4.1 Eye contact

In case of eye contact, thoroughly rinse with water and consult a doctor.

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4.2	Skin contact	Rinse off immediately with soap and plenty of water. Remove soiled clothing and shoes. In case of irritation, consult a doctor.
4.3	Ingestion	Do not induce vomiting. Call a physician and/or transport to emergency facility immediately.
4.4	Inhalation	Take into fresh air. In case of difficulty with breathing, seek medical advice.
4.5	Further information	None

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## 5 Fire-fighting measures

5.1	Suitable extinguishing media	Water fog, carbon dioxide, dry chemical, foam, alcohol resistant foam.
5.2	Extinguishing media to avoid	DO NOT USE WATER JET.
5.3	Further information	During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds. Wear self-contained breathing apparatus.

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## 6 Accidental release measures

Do not allow to flow off into the drains or waters.  
Remove or keep away from sources of ignition.  
Ensure adequate venting.  
Clean up with absorbent material, then collect for disposal.

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## 7 Handling and storage

7.1	Handling	Ensure efficient venting while applying the product. Vapours of this product are heavier than air and will collect in low areas such as pits, storage tanks, and other confined areas. Flammable: keep away from possible ignition sources.
7.2	Industrial hygiene	Avoid contact with skin and eyes and do not breathe vapours. Take off immediately all contaminated clothing. Wash hands before smoking or eating.
7.3	Storage	Store containers tightly closed in a cool, well ventilated area.
7.4	Place of storage	-
7.5	Fire- and explosion protection	Take precautions to avoid accumulation of static charge.

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## 8 Exposure controls / personal protection

8.1	Technical measures	Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.
8.2	Control of threshold limits	Exposure guidelines see section 15.8.
8.3	Personal protective equipment	
8.3.1	Respiratory protection	Required on all inadequately ventilated work stations.
8.3.2	Hand protection	Wear rubber gloves when handling.
8.3.3	Eye protection	Use safety glasses.
8.3.4	Other	Work clothing.

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**9 Physical and chemical properties**

9.1	Appearance	liquid	
9.2	Color	colourless	
9.3	Odour	esterlike	
9.4	Change of physical state		Test method:
	Start of boiling	77 °C (1013 mbar)	DIN 51761
9.5	Density	1.017 g/cm <sup>3</sup> (20°C)	DIN 51757
9.6	Vapour pressure	97 mbar (20 °C)	DIN 52120
9.7	Viscosity	ca. 13 sec (20°C) Slow-down time	
9.8	Solubility in water	reacts with water	
	Soluble in	acetone ethyl acetate	
9.9	pH	not applicable	
9.10	Flash point	-2 °C (1013 mbar)	DIN 53213
9.11	Ignition temperature	460 °C (1013 mbar)	DIN 51755
9.12	Explosion limits	Lower: 2,1 vol.% (1013 mbar) Upper: 11,5 vol.% (1013 mbar)	DIN 52325
9.13	Further information	None.	

**10 Stability and reactivity**

10.1	Thermal decomposition	No decomposition until start of boiling.
10.2	Hazardous decomposition products	None determined.
10.3	Hazardous reactions	Exothermic reactions with amines, alcohols, acids, bases. Reacts with water by separating carbon dioxide (CO <sub>2</sub> ). In closed containers, risk of bursting due to heat build-up.
10.4	Further information	None.

**11 Toxicological information**

11.1	Acute toxicity	Tested with similar product. LD50 (oral, rat) = > 2000 mg/kg Effect on eyes: irritant Effect on skin: irritant by defatting/making it brittle. Breathing in may cause sensitization. May cause sensitization by inhalation.
11.2	Subacute / chronic toxicity	Harmful by inhalation.
11.3	Further information	Irritating to eyes and skin.