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.: 141-78-6
Ethyl acetate: 141-78-6
Trimethyl propane-toluidine diisocyanates:
Tris-(isocyanate-phenyl)-thiophosphate: 4151-51-3

2.2 Hazardous components
Dangerous substances according to the criteria of the EC

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. >50 % Ethyl acetate
X1,F,R-11-38-66-67

CAS No. 2,4-/2,6-diisocyanate-toluene
EC No. 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.
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

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.

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.

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.

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.
EC Safety Data Sheet

Date of issue / Reference
30.04.04 HIL
Replaces version of
31.03.03 HIL
Date of printing
14.06.2005 Sheet no. 1001

9 Physical and chemical properties
9.1 Appearance liquid
9.2 Color colourless
9.3 Odour esterlike
9.4 Change of physical state
Start of boiling 77 °C (1013 mbar) Test method: DIN 51761
9.5 Density 1.017 g/cm³ (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) DIN 52325
Upper: 11.5 vol.% (1013 mbar)
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 Exothermal reactions with amines, alcohols, acids, bases.
Reacts with water by separating carbon dioxide (CO2).
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.