

EC Safety Data Sheet

Polycol A



Date of issue / Reference

30.04.04 HIL

Replaces version of

31.03.03 HIL

Date of printing

30.04.2004 Sheet no. 1205

Page 1 of 5

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 A**
- 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-Zürich)
- 1.6 Product No. Polycol A

2 Composition

- 2.1 Chemical characterisation Linear polyester urethane (TPU) about 20% dissolved in ethyl acetate and toluene
CAS No.:
Ethyl acetate: 141-78-6
Toluene: 108-88-3
- 2.2 Hazardous components Dangerous substances according to the criteria of the EC (Council Directive 88/379/EEC):
CAS No. 141-78-6
EC No. 205-500-4 >20 % Ethyl acetate
Xi,F,R-11-36-66-67
CAS No. 108-88-3
EC No. 203-625-9 <20 % Toluene
F,R:11;Xn,R:20
- 2.3 Further information None

3 Hazards identification

Highly flammable. Harmful by inhalation. Irritating to eyes.
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



Date of issue / Reference

30.04.04 HIL

Replaces version of

31.03.03 HIL

Date of printing

30.04.2004 Sheet no. 1205

Page 2 of 5

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 precautionary measures against electrostatic charging.
 Keep away from sources of ignition.

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 Respiratory protection usually not required with adequate ventilation.
 - 8.3.2 Hand protection Wear rubber gloves when handling.
 - 8.3.3 Eye protection Use safety glasses.
 - 8.3.4 Other Work clothing.

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

EC Safety Data Sheet

Polycol A



Date of issue / Reference

30.04.04 HIL

Replaces version of

31.03.03 HIL

Date of printing

30.04.2004 Sheet no. 1205

Page 3 of 5

9.5	Density	0.94 g/cm ³ (20 °C)	DIN 51757
9.6	Vapour pressure	98 mbar (20 °C)	OECD No. 104
9.7	Viscosity	3000 mPa·s (20 °C)	
9.8	Solubility in water	slightly soluble	
	Soluble in	acetone	soluble
		ethyl acetate	soluble
9.9	pH	not applicable	
9.10	Flash point	5.5 °C (1013 mbar)	DIN 51755
9.11	Ignition temperature	460 °C (1013 mbar)	DIN 51794
9.12	Explosion limits	Lower: 1.3 vol.% (1013 mbar) 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	None known.
10.4	Further information	None.

11 Toxicological information

11.1	Acute toxicity	TPU is not toxic. Ethyl acetate: LD50 (oral, rat) = 11000 mg/kg Vapours may act as narcotics and cause headache. Toluene: LD50 (oral, rat) = 5000 mg/kg Irritates skin and mucous membranes. Narcotic effect at higher concentration.
11.2	Subacute / chronic toxicity	Not determined.
11.3	Further information	Harmful by inhalation.

12 Ecological information

Polycol A has a small environmental hazard potential.
TPU is largely inert.
Ethyl acetate: in aqueous solution photo- and auto-oxidation forms ethanol and acetic acid.
The German 'Wassergefährdungs Klasse (WGK)' for this product is: 2
(self classification. The product has not been tested.)
Do not allow to flow off into the drains or waters.

13 Disposal considerations

National/regional regulations have to be observed. Individual packs to be added to the domestic waste, after evaporation of the solvents. Unopened or expired packs may be disposed of as special waste.

Dispose uncleaned packaging as the unused product.

13.1 EC waste key

08 04 09 adhesive