S A F E T Y D A T A S H E E T

according to Regulation (EC) No. 1907/2006
(amended by Regulation (EU) 2015/830)

Polycol B

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product code None.

Synonyms None.

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

Use of the Substance/Mixture Curing chemical

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification

Habasit GmbH (Deutschland), Only Representative
Babenhäuser Str. 31
D-64859 Eppertshausen
+49 6071 969 0 (Mo - Fr, 7.30h - 17h)

SDS info: product.safety@habasit.com

National contact:
Habasit (UK) Limited
Habegger house
Gannex Park,
Dewsbury Road,
Elland,
West Yorkshire
HX5 9AF
Tel. +44 (0) 333 207 6570 (Mo - Fr, 8h - 17.30h)
E-Mail: info.uk@habasit.com

1.4. Emergency telephone number

NHS Direct in England or Wales: +44 (0)845 46 47
NHS 24 in Scotland (UK only): 08454 24 24 24
Poisons Information Centre of Ireland: 01 809 2566

Issuing date 29.07.2016

Version 02 (Previous versions: 24.07.2014)

2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

Serious eye damage/eye irritation, Cat. 2, H319
Respiratory Sensitisation, Cat. 1, H334
Skin Sensitisation, Cat. 1, H317
Specific target organ toxicity (single exposure, narcotic effects), Cat. 3, H336
Flammable liquids, Cat. 2, H225

Additional information

For the full text of the phrases mentioned in this Section, see Section 16.

2.2. Label elements

Signal Word

Danger

Hazard Statements

H225: Highly flammable liquid and vapour.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H336: May cause drowsiness or dizziness.

Precautionary statements

P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P280e: Wear protective gloves/eye protection.
P210b: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312: Call a POISON CENTER/doctor if you feel unwell.

Supplemental information

Contains isocyanates. May produce an allergic reaction.

Product identifier

ethyl acetate, CAS-No. 141-78-6, EC-No. 205-500-4
Aromatic Polyisocyanate, CAS-No. 53317-61-6
Di-isocyanatotoluene (mixture of isomers), CAS-No. 26471-62-5, EC-No. 247-722-4, REACH No. 01-2119454791-34-0001, 01-2119454791-34-0006, 01-2119454791-34-0007
Tris-(p-isocyanatophenyl)-thiophosphat, CAS-No. 4151-51-3, EC-No. 223-981-9

Contents of package < 125 ml

Danger
H317: May cause an allergic skin reaction.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H336: May cause drowsiness or dizziness.
P260: Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P262: Do not get in eyes, on skin, or on clothing.

Contains isocyanates. May produce an allergic reaction.

2.3. Other hazards None known.

3. Composition/information on ingredients

Chemical characterization Contains isocyanates. See information supplied by the manufacturer.

Components		CLP Classification	Product identifier
ethyl acetate	50% - 75%	Eye Irrit. 2 H319, STOT SE 3 H336, Flam. Liq. 2 H225, EUH066	CAS-No.: 141-78-6 EC-No.: 205-500-4 Index-No: 607-022-00-5
Aromatic Polyisocyanate	20% - 30%	Eye Irrit. 2 H319, Skin Sens. 1 H317, EUH204	CAS-No.: 53317-61-6
Di-isocyanatotoluene (mixture of isomers)	0.1% - 1%	Carc. 2 H351, Acute Tox. 1 H330, Skin Irrit. 2 H315, Eye Irrit. 2 H319, STOT SE 3 H335, Resp. Sens. 1 H334, Skin Sens. 1 H317, Aquatic Chronic 3 H412	CAS-No.: 26471-62-5 EC-No.: 247-722-4 Index-No: 615-006-00-4 REACH No.: 01-2119454791-34-0001, 01-2119454791-34-0006, 01-2119454791-34-0007
Tris-(p-isocyanatophenyl)-thiophosphat	10% - 20%	Resp. Sens. 1 H334	CAS-No.: 4151-51-3 EC-No.: 223-981-9

For the full text of the phrases mentioned in this Section, see Section 16.

Hazardous impurities None known.

4. First aid measures

4.1. Description of first aid measures

Inhalation Move to fresh air. Consult a physician after significant exposure.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Eye contact In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed Headache. Dizziness.

4.3. Indication of any immediate medical attention and special treatment needed	None known.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Extinguishing media which must not be used for safety reasons	High volume water jet.
5.2. Special hazards arising from the substance or mixture	During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.

5.3. Advice for firefighters

Special protective equipment for firefighters	In the event of fire, wear self-contained breathing apparatus.
Specific methods	Prevent fire extinguishing water from contaminating surface water or the ground water system. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel	Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Remove all sources of ignition.
Advice for emergency responders	Ensure adequate ventilation. Use personal protective equipment. Remove all sources of ignition. Vapours are heavier than air and may spread along floors.
6.2. Environmental precautions	Prevent product from entering surface water or sewage.
6.3. Methods and material for containment and cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.
6.4. Reference to other sections	See chapter 8 and 13.

7. Handling and storage

7.1. Precautions for safe handling	Keep away from sources of ignition - No smoking. Wear personal protective equipment. Vapours are heavier than air and may spread along floors. Provide appropriate exhaust ventilation at machinery. Do not breathe vapours/dust. Wash hands and exposed skin before eating, drinking or smoking and after work. Remove contaminated clothing and shoes.
7.2. Conditions for safe storage, including any incompatibilities	Keep containers tightly closed in a dry, cool and well-ventilated place. Do not store together with food.
7.3. Specific end use(s)	Use only in accordance with our recommendations.

8. Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s)	Even in case of a full release, due to the small amount of substances present, it is not expected that exposure limits will be reached. However it is the duty of the user to verify this and follow given exposure limits at the workplace. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.
ethyl acetate (CAS 141-78-6)	
Ireland - Occupational Exposure Limits - TWAs	200 ppm TWA
Ireland - Occupational Exposure Limits - STELs	400 ppm STEL
United Kingdom - Workplace Exposure Limits (WELs) - STELs	400 ppm STEL
United Kingdom - Workplace Exposure Limits (WELs) - TWAs	200 ppm TWA
Aromatic Polyisocyanate (CAS 53317-61-6)	
Ireland - Occupational Exposure Limits - TWAs	0.02 mg/m3 TWA (as NCO)
Ireland - Occupational Exposure Limits - STELs	0.07 mg/m3 STEL (as NCO)
United Kingdom - Workplace Exposure Limits (WELs) - STELs	0.07 mg/m3 STEL (except Methyl isocyanate, as NCO)
United Kingdom - Workplace Exposure Limits (WELs) - TWAs	0.02 mg/m3 TWA (except Methyl isocyanate, as NCO)
Tris-(p-isocyanatophenyl)-thiophosphat (CAS 4151-51-3)	
Ireland - Occupational Exposure Limits - TWAs	0.02 mg/m3 TWA (as NCO)
Ireland - Occupational Exposure Limits - STELs	0.07 mg/m3 STEL (as NCO)
United Kingdom - Workplace Exposure Limits (WELs) - STELs	0.07 mg/m3 STEL (except Methyl isocyanate, as NCO)
United Kingdom - Workplace Exposure Limits (WELs) - TWAs	0.02 mg/m3 TWA (except Methyl isocyanate, as NCO)

8.2. Exposure controls

Occupational exposure controls	Handle in accordance with good industrial hygiene and safety practice.
Personal protection equipment	
Respiratory protection	In case of good ventilation no personal respiratory protective equipment required. In case of insufficient ventilation wear suitable respiratory equipment. Suitable respiratory equipment: ABEK-filter ABEK-P3-filter Respirator with filter for organic vapour
Hand protection	Protective gloves complying with EN 374. Gloves made of Butyl. Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature). The exact break through time can be obtained from the protective glove producer and this has to be observed. Do not wear leather gloves. Do not wear cotton gloves.
Eye protection	Safety glasses with side-shields conforming to EN166.
Skin and body protection	Long sleeved clothing.
Thermal hazards	No special measures required.
Environmental exposure controls	Dispose of waste product or used containers according to local regulations.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid.
Colour	Colourless.
Odour	Solvent.
Odour Threshold	No information available.
pH:	not applicable
Melting point/range:	No information available.
Boiling point/range:	77°C
Flash point:	-4°C
Evaporation Rate:	No information available.
Flammability:	No information available.
Explosion limits:	10.5%(V) - 2.0%(V)
Vapour pressure:	97 mbar (20°C)
Vapor density:	No information available.
Relative density:	1.02 g/cm3 (20°C)
Water solubility:	No information available.
Partition coefficient (n-octanol/water):	No information available.
Autoignition temperature:	No information available.
Decomposition temperature:	No information available.
Viscosity:	No information available.
Combustion/explosion hazards:	liquid, flammable
Oxidizing properties:	None

9.2. Other information

General Product Characteristics	This information is not available.

10. Stability and reactivity

10.1. Reactivity	No hazards to be specially mentioned.
10.2. Chemical stability	Stable up to approximately 70 °C.
10.3. Possibility of hazardous reactions	No hazards to be specially mentioned.
10.4. Conditions to avoid	Heat, flames and sparks.
10.5. Incompatible materials	None.
10.6. Hazardous decomposition products	None reasonably foreseeable.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Information given is based on data on the components and the toxicology of similar products. **ethyl acetate (CAS 141-78-6)** Inhalation LC50 Mouse = 1500 ppm 4 h(NZ_CCID) Dermal LD50 Rabbit > 18000 mg/kg (JAPAN_GHS) Oral LD50 Rat = 5620 mg/kg (NLM_CIP) **Di-isocyanatotoluene (mixture of isomers) (CAS 26471-62-5)** Dermal LD50 Rabbit = 10000 mg/kg (JAPAN_GHS) Inhalation LC50 Rat = 0.099 mg/L 4 h(JAPAN_GHS) Oral LD50 Rat = 3060 mg/kg (JAPAN_GHS)
Skin corrosion/irritation	No skin irritation.
Serious eye damage/eye irritation	Causes eye irritation.
Respiratory / Skin Sensitisation	Inhalation of aerosol or skin contact may cause sensitization of susceptible persons.
Carcinogenicity	Contains no ingredient listed as a carcinogen.
Germ cell mutagenicity	Contains no ingredient listed as a mutagen.
Reproductive toxicity	Contains no ingredient listed as toxic to reproduction.
Specific target organ toxicity (single exposure)	Narcotic effects

Specific target organ toxicity (repeated exposure)	no data available
Aspiration hazard	no data available
Human experience	No data available.
Symptoms related to the physical, chemical and toxicological characteristics	Drowsiness Vertigo Causes headache, drowsiness or other effects to the central nervous system. Risk of explosion if heated under confinement.
Delayed and immediate effects and also chronic effects from short and long term exposure	Tiredness

12. Ecological information

12.1. Toxicity	No data is available on the product itself.
ethyl acetate (CAS 141-78-6)	
Ecotoxicity - Freshwater Fish - Acute Toxicity Data	96 h LC50 Pimephales promelas: 220 - 250 mg/L [flow-through] (EPA) 96 h LC50 Oncorhynchus mykiss: 484 mg/L [flow-through] (IUCLID) 96 h LC50 Oncorhynchus mykiss: 352 - 500 mg/L [semi-static] (EPA)
Ecotoxicity - Water Flea - Acute Toxicity Data	48 h EC50 Daphnia magna: 560 mg/L [Static] (EPA)
Di-isocyanatotoluene (mixture of isomers) (CAS 26471-62-5)	
Ecotoxicity - Earthworm - Acute Toxicity Data	14 Days LC50 Eisenia foetida: >1000 mg/kg [soil dry weight] (IUCLID)
Ecotoxicity - Earthworm - No Observable Effect Concentration (NOEC) Data	14 Days NOEC Eisenia foetida: >=1000 mg/kg [soil dry weight] (IUCLID)
12.2. Persistence and degradability	Partly biodegradable.
12.3. Bioaccumulative potential	No data available. Does not bioaccumulate.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).
12.6. Other adverse effects	no data available

13. Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products	Dispose of as hazardous waste in compliance with local and national regulations. Can be incinerated, when in compliance with local regulations. 080501 - waste isocyanates
Contaminated packaging	Dispose of as unused product.

14. Transport information

ADR/RID	UN 1993. Proper shipping name: FLAMMABLE LIQUID, N.O.S. (ethyl acetate, Isocyanates). Class 3. Packing group II. ADR/RID-Labels 3. Classification code F1. Hazard identification no. 33. Limited quantity 1 L. Excepted quantity E2. Tunnel restriction code D/E
IMDG	UN 1993. Proper shipping name: FLAMMABLE LIQUID, N.O.S. (ethyl acetate, Isocyanates). Class 3. Packing group II. IMDG-Labels 3. Limited quantity 1 L. Excepted quantity E2. EmS F-E, S-E. Marine pollutant: No.
IATA	UN 1993. Proper shipping name: Flammable liquid, n.o.s. (ethyl acetate, Isocyanates). Class 3. Packing group II. IATA label 3. Packing instruction (passenger aircraft): 353 (5 L). Packing instruction (LQ): Y341 (1 L). Packing instruction (cargo aircraft): 364 (60 L).
Inland navigation ADN	UN 1993. Proper shipping name: FLAMMABLE LIQUID, N.O.S. (ethyl acetate, Isocyanates). Class 3. Packing group II. ADN labels 3. Classification code F1. Limited quantity 1 L. Excepted quantity E2.

Further Information	Dangerous goods in limited quantities of class max. 1 liter/innerpack.

15. Regulatory information

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

Regulatory Information	Contains isocyanates. See information supplied by the manufacturer.
ethyl acetate (CAS 141-78-6)	
EU - REACH (1907/2006) - List of Registered Substances	Present
Di-isocyanatotoluene (mixture of isomers) (CAS 26471-62-5)	
EU - Cosmetics (1223/2009) - Annex II - Prohibited Substances	Prohibited
EU - REACH (1907/2006) - List of Registered Substances	Present
Tris-(p-isocyanatophenyl)-thiophosphat (CAS 4151-51-3)	
EU - REACH (1907/2006) - List of Registered Substances	Present
15.2. Chemical safety assessment	Not required.

16. Other information

Revision Note	This data sheet contains changes from the previous version in section(s): 1, 2, 3, 8, 15, 16
Key or legend to abbreviations and acronyms	CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS) DSD/DPD: Classification according to EU Directives 67/548/EEC or 1999/45/EC MAK: Occupational exposure limit.
Key literature references and sources for data	Information taken from reference works and the literature.
Classification procedure	Classification according to EU Directives 67/548/EEC or 1999/45/EC. Classification according to Regulation (EU) 1272/2008 with the correlation table 67/548/EEC or 1999/45/EC (Annex VII of CLP).
Full text of phrases referred to under sections 2 and 3	EUH066: Repeated exposure may cause skin dryness or cracking. EUH204: Contains isocyanates. May produce an allergic reaction. H225: Highly flammable liquid and vapour. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H330: Fatal if inhaled. H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335: May cause respiratory irritation. H336: May cause drowsiness or dizziness.

	H351: Suspected of causing cancer. H412: Harmful to aquatic life with long lasting effects.
Training advice	The rules which cover amongst other things the requirement for ventilation, protective clothing, personal protective equipment etc. can be obtained from the National Occupational Health and Safety Board.
Further information	Made in: Switzerland Habasit AG Römerstrasse 1 4153 Reinach/BL, Switzerland Phone: +41 (0)61 715 15 15 (Mo - Fr, 7.30h - 17h) SDS info: product.safety@habasit.com
Instructions for use	For industrial application only. Use only in accordance with our recommendations.
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