

Article No.: Print date: Version: REDOCRYL Revision date: 03.02.2014 Issue date: 03.02.2014

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

1.3

113-300

17.09.2014

### 1.1. Product identifiers

Article No. (manufacturer/supplier) Identification of the substance or mixture 113-300 REDOCRYL Härter 681 normal

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

Hardener for 2 component polyurethane resins or coatings

#### 1.3. Details to the supplier providing the material safety data sheet

Producer:

### **FEYCOLOR GmbH**

Maxhuettenstraße 6, 93055 Regensburg, Germany

Tel.: +49 (0) 941/ 60497-0 Fax.: +49 (0) 941/ 60497-30 info@feycolor.com www.feycolor.com

 Office hours:
 08:00 - 12:00 and 13:00 - 16:00

 Friday:
 08:00 - 12:00

### Department responsible for information:

Hazardous material management: sd@feycolor.com

### **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

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

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

R10		Flammable
Xn; R20	Harmful	Harmful by inhalation.
Xi; R37	Irritant	Irritating to respiratory system.
R43		May cause sensitization by skin contact.
R52-53		Harmful to aquatic life. May cause long-term
		adverse effects in the aquatic environment.
R66		Repeated exposure may cause skin dryness or

cracking.

#### 2.2. Label elements

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Labelling (67/548/EEC or 1999/45/EC)

Xn Harmful

### Hazard statements

10	Flammable
20	Harmful by inhalation.
37	Irritating to respiratory system.
43	May cause sensitization by skin contact.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
66	Repeated exposure may cause skin dryness or cracking.
Precautionary staten	nents
24	Avoid contract with alkin

- 24 Avoid contact with skin.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
   Wear suitable gloves.

Version:         1.3         Issue date: 03.02.2014         Page           38         In case of insufficient ventilation, wear suitable respiratory equipment.	EVCO		according to	Regulation (EU)	No 453/2010	
51       Use only in well-ventilated areas.         61       Avoid release to the environment. Refer to special instructions/safety data sheet.         23       Do not breathe vapour.         contains:         Product description / information on ingredients         Mixtures         Product description / chemical characterization         Description / chemical name         Wt %         Classification:         Wt %         REACH No.         Classification:         Wt %         Note of the set of	EICO	LUN	Print date:	17.09.2014	Revision date: 03.02.2014	999998 E Page 2 /
Hexamethylen-1,6-dilocyanat Homopolymer         Special provisions concerning the labelling of certain mixtures         91       Contains isocyanates. May produce an allergic reaction.         Other hazards         SECTION 3: Composition / information on ingredients         Mixtures         Product description / chemical characterization         Description       Preparation out of polyisocyanate in solvents         Hazardous ingredients       Classification according to Regulation (EC) No. 1272/2008 [CLP]         EC No.       CREACH No.         Cassification according to Regulation (EC) No. 1272/2008 [CLP]         EC No.       Chemical name         MIXLY24-8       O1-211945893-20-000         28182-81-2       Hexamethylene disocyanate oligomers, Isocyanurate       25 - 50         204-685-10       O1-211945893-20-000       25 - 50         204-685-10       O1-211945893-20       25 - 50         607-025-00-1       Filam. Liq. 3 H226 / STOT SE 3 H336       Journal 25 - 50         607-025-00-1       Filam. Liq. 3 H226 / STOT SE 3 H336       10 - 12,5         607-025-00-1       Filam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411 / Asp.       10 - 12,5         617-1214945891-36       12,4+trimethylenzrane       5 - 10         64742-95-6       Solvent naphtha (petroleum), light arom. </td <td>51 61 23</td> <td>Use o Avoid</td> <td>only in well-ventil I release to the e</td> <td>ated areas. nvironment. Refer t</td> <td></td> <td>et.</td>	51 61 23	Use o Avoid	only in well-ventil I release to the e	ated areas. nvironment. Refer t		et.
Special provisions concerning the labelling of certain mixtures         91       Contrains isocyanates. May produce an allergic reaction.         Other hazards         SECTION 3: Composition / information on ingredients         Mixtures         Product description / chemical characterization         Description       Preparation out of polyisocyanate in solvents         Hazardous ingredients         Classification according to Regulation (EC) No. 1272/2008 [CLP]         EC No.       REACH No.         CAS No.       Chemical name       Wt %         NDEX No.       classification:       Remark         91:274-8       01-2119489342-00000       28182-81-2       Hexamethylene diisocyanate oligomers, Isocyanurate       25 - 50         204-658-1       01-2119485943-22       25 - 50       26 - 50         203-803-9       01-2119485943-22       25 - 50         203-803-9       01-211945861-35       10 - 12,5         867-82       -methylethyl acetate       10 - 12,5         807-98-50-7       Flam. Liq, 3 H226 / STOT SE 3 H336       Aquatic Chronic 2 H411 / Asp.         704-11945861-35       01-211945861-35       5 - 10         86742-95-6       Solvent naphtha (petroleum), light arom.       10 - 12,5         718-868-6       01-211945861-35	contains:	Неха	methylen-1 6-dig	socvanat Homonoly	mer	
91         Contains isocyanates. May produce an allergic reaction.           0 ther hazards           SECTION 3: Composition / information on ingredients           Mixtures           Product description / chemical characterization           Description           Preparation out of polyisocyanate in solvents           Mazardous ingredients           Classification according to Regulation (EC) No. 1272/2008 [CLP]           EC No.           Remark           917/2008 [CLP]           EC No.           Chemical name           Wt %           Number No.           Classification:           Remark           917/2008 [CLP]           EC No.         Remark           Wt %           Number No.         Classification:           Wt %           Number No.         Classification           Colspan="2">Remark           918-636         01-21194/8591-26           10-12,5           01-21194/5791-28	Special prov		•			
SECTION 3: Composition / information on ingredients           Mixtures         Product description         Preparation out of polyisocyanate in solvents           Hazardous ingredients         Vit %           Classification according to Regulation (EC) No. 1272/2008 [CLP]         Wit %           EC No.         REACH No.         Classification according to Regulation (EC) No. 1272/2008 [CLP]           EC No.         REACH No.         Classification according to Regulation (EC) No. 1272/2008 [CLP]           EC No.         REACH No.         Classification:         Wit %           NUMEX No.         Classification:         Wit %           28182-81-2         Hexamethylene diisocyanate oligomers, isocyanurate         25 - 50           Oft-211945639-39         23.864         n-butyl acetate         25 - 50           07-025-00-1         Flam. Liq, 3 H226 / STOT SE 3 H336         Jaustic Chronic 2 H411 / Asp.         10 - 12,5           64742-96-6         Ot-211947581-29         10 - 12,5         5-10           64742-97-7         Flam. Liq, 3 H226 / STOT SE 3 H336 / Aquatic Chronic 2 H411 / Asp.         5-10           70x. H304 / STOT SE 3 H335 / Aquatic Chronic 2 H411 / Asp.         5-10           601-043-00-3         Flam. Liq, 3 H226 / Acute Tox. 4 H332 / Eye Irrit. 2 H319 / STOT SE 3         5-10           215-535-7         01-21194868			-	•		
Mixtures         Product description / chemical characterization           Description         Preparation out of polyisocyanate in solvents           Hazardous ingredients         Classification according to Regulation (EC) No. 1272/2008 [CLP]           EC No.         REACH No.           CAS No.         Chemical name           W1 %.         Remark           931-274-8         01-211948934-20-000           28182-81-2         Hexamethylene diisocyanate oligomers, Isocyanurate         25 - 50           Acute Tox. 4 H332 / STOT SE 3 H336         25 - 50           607-025-00-1         Flam. Liq. 3 H226 / STOT SE 3 H336         25 - 50           607-025-00-1         Flam. Liq. 3 H226 / STOT SE 3 H336         10 - 12,5           607-195-00-7         Flam. Liq. 3 H226 / STOT SE 3 H336         10 - 12,5           607-195-00-7         Flam. Liq. 3 H226 / STOT SE 3 H336         10 - 12,5           607-095-00-7         Flam. Liq. 3 H226 / STOT SE 3 H336         22-436-9           95-63-6         1.2.11945881-35         Golvent naphtha (petroleum), light arom.         10 - 12,5           607-043-00-3         Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Eye Irrit. 2 H319 / STOT SE 3         5 - 10           601-043-00-3         Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2         5 - 10           601-022-00	Other hazar	ds				
Product description         Preparation out of polyisocyanate in solvents           Hazardous ingredients           Classification according to Regulation (EC) No. 1272/2008 [CLP]           EC No.         REACH No.           Classification according to Regulation (EC) No. 1272/2008 [CLP]           EC No.         Chemical name         Wt %           NDEX No.         Classification:         Remark           931-274-8         01-21194883432-00000         251-50           22482-81-2         Hexamethylene disocyanate oligomers, Isocyanurate Accute Tox. 4 H32 / STOT SE 3 H335 / Skin Sens. 1 H317         25 - 50           204-668-1         01-2119485433-29         25 - 50           233-867.4         n-butyl acetate         25 - 50           607-025-00-1         Flam. Liq. 3 H226 / STOT SE 3 H336         20 - 603-9           203-603-9         01-211945851-35         10 - 12,5           607-07         Flam. Liq. 3 H226 / STOT SE 3 H336         10 - 12,5           607-07         Flam. Liq. 3 H226 / STOT SE 3 H336         Aquatic Chronic 2 H411 / Asp. Tox. 1 H304 / STOT SE 3 H335         10 - 12,5           617-243-00-7         Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Eye Irrit. 2 H319 / STOT SE 3 H335 / Skin Irrit. 2 H315 / Aquatic Chronic 2 H411         25 - 50           601-024-00-7         Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit	SECTION 3	3: Compositio	on / informatio	n on ingredients		
Description         Preparation out of polyisocyanate in solvents           Hazardous ingredients           Classification according to Regulation (EC) No. 1272/2008 [CLP]           EC No.         REACH No.           CAS No.         Chemical name         Wt %, NDEX No.           931-274-8         01-211948934-20-0000         25 - 50           204-658-1         01-21194893-29         25 - 50           123-86-4         n-butyl acetate         25 - 50           070-226-00-1         Flam. Liq. 3 H226 / STOT SE 3 H336         10 - 12,5           203-663-9         01-2119485481-35         10 - 12,5           071-219-945493-29         10 - 12,5         10 - 12,5           203-603-9         01-2119485481-35         10 - 12,5           607-025-00-1         Flam. Liq. 3 H226 / STOT SE 3 H336         10 - 12,5           203-663-6         Solvent naphtha (petroleum), light arom. Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Eye Irrit. 2 H319 / STOT SE 3 H335 / Skin Irrit. 2 H315 / Aquatic Chronic 2 H411         Asp.           202-436-9         5 - 10         5 - 10           215-5357         01 - 21194864216-32         5 - 10           216-32         1330-20-7         xylene         1 - 2,5           601-022-00-9         Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H332 / Aquatic         1 -	Mixtures					
Description         Preparation out of polyisocyanate in solvents           Hazardous ingredients           Classification according to Regulation (EC) No. 1272/2008 [CLP]           EC No.         REACH No.           CAS No.         Chemical name (CAS No.         Wt %, Remark           931-274-8         O1-2119488934-20-0000         Z5 - 50           204-658-1         O1-211948939-29         Z5 - 50           204-658-1         O1-2119485493-29         Z5 - 50           204-658-1         O1-2119485493-29         Z5 - 50           203-803-9         O1-2119485531-36         I0 - 12,5           64742-95-6         Solvent naphthal (petroleum), light arom. Fiam. Liq. 3 H226 / STOT SE 3 H336         I0 - 12,5           202-436-9         Solvent naphthal (petroleum), light arom. Fiam. Liq. 3 H226 / Acute Tox. 4 H332 / Eye Irrit. 2 H319 / STOT SE 3 H335 / Skin Irrit. 2 H315 / Aquatic Chronic 2 H411         Asp. S - 10           202-436-9         Fiam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2 H315         Solvent naphthal (petroleum), light arom. Fiam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2 H315         Solvent naphthalenchase fiam. Liq. 3 H22	Product des	scription / cher	nical characteri	zation		
solvents           Hazardous ingredients           Classification according to Regulation (EC) No. 1272/2008 [CLP]           EC No.         REACH No.         Chemical name         Wt %           S12-274-8         01-211948934-20-0000         Remark           28182-81-2         Hexamethylene diisocyanate oligomers, Isocyanurate         25 - 50           Acute Tox. 4         H332 / STOT SE 3 H335 / Skin Sens. 1 H317         26-656           204-658-1         01-2119485493-29         25 - 50           203-603-9         01-2119475791-29         10 - 12,5           203-603-9         01-2119475791-29         10 - 12,5           203-603-9         01-2119475971-29         10 - 12,5           203-603-9         01-2119475971-29         10 - 12,5           203-603-9         01-2119475971-29         10 - 12,5           203-603-9         01-2119475971-29         10 - 12,5           203-603-9         Filam. Liq. 3 H226 / STOT SE 3 H336         10 - 12,5           204-436-9         Solvent naphtha (petroleum), light arom.         10 - 12,5           Filam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411 / Asp.         10 - 12,5           213-20-1         Tox. 1 H304 / STOT SE 3 H335 / Aquatic Chronic 2 H411         Asp / Star / Aquatic Chronic 2 H411 <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td>		-				
Classification according to Regulation (EC) No. 1272/2008 [CLP]           EC No.         REACH No.           CAS No.         Chemical name         Wt %           NDEX No.         classification:         Remark           931-274-8         01-2119488934-20-0000         25 - 50           Acute Tox. 4 H332 / STOT SE 3 H335 / Skin Sens. 1 H317         204-658-1         01-211946493-29           123-86-4         n-butyl acetate         25 - 50           607-025-00-1         Flam. Liq. 3 H226 / STOT SE 3 H336         25 - 50           607-035-00-1         Flam. Liq. 3 H226 / STOT SE 3 H336         10 - 12,5           607-195-00-7         Flam. Liq. 3 H226 / STOT SE 3 H336         10 - 12,5           918-668-5         01-2119475701-29         10 - 12,5           918-668-5         01-2119475701-29         10 - 12,5           918-668-5         01-2119475701-29         10 - 12,5           918-668-5         01-2119475701-29         10 - 12,5           918-668-5         01-2119455851-35         64742-95-6         Solvent naphtha (petroleum), light arom. Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic Chronic 2 H411         2,5 - 5           601-022-00-9         Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2 H315         2,5 - 5 <t< td=""><td></td><td>-</td><td>-</td><td>, ,</td><td></td><td></td></t<>		-	-	, ,		
EC No.         REACH No.         Charmonic frame         Wt %           CAS No.         Chemical name         Wt %           NUDEX No.         classification:         Remark           931-274-8         01-2119488934-20-0000         25 - 50           28182-81-2         Hexamethylene diisocyanate oligomers, Isocyanurate         25 - 50           Acute Tox. 4 H332 / STOT SE 3 H335 / Skin Sens. 1 H317         204-658-1         01-2119485493-29           123-86-4         n-butyl acetate         25 - 50           607-025-00-1         Flam. Liq. 3 H226 / STOT SE 3 H336         25 - 50           607-025-00-1         Flam. Liq. 3 H226 / STOT SE 3 H336         10 - 12,5           607-195-00-7         Flam. Liq. 3 H226 / STOT SE 3 H336         10 - 12,5           618-68-6         01-2119475581-35         64742-95-6         Solvent naphtha (petroleum), light arom. Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Eye Irrit. 2 H319 / STOT SE 3         10 - 12,5           601-043-00-3         Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Eye Irrit. 2 H319 / STOT SE 3         5 - 10           601-043-00-3         Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2         2,5 - 5           601-022-00-9         Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2         2,5 - 5           601-022-00-9         Flam. Liq. 3 H226 / STOT	Hazardous i	ingredients				
CAS No.         Chemical name         Wt % Remark           NDEX No.         classification:         Remark           931-274-8         01-2119489394-20-0000         28182-81-2         Hexamethylene diisocyanate oligomers, isocyanurate         25 - 50           204-658-1         01-2119485493-29         25 - 50         Acute Tox 4 H332 / STOT SE 3 H335 / Skin Sens. 1 H317         26 - 50           204-658-1         01-2119485493-29         25 - 50         26 - 50           203-603-9         01-2119495791-29         25 - 50           203-603-9         01-211945551-35         66 - 7 - Fiam. Liq. 3 H226 / STOT SE 3 H336         10 - 12,5           203-663-5         01-2119455851-35         64742-95-6         Solvent naphtha (petroleum), light arom. Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411 / Asp. Tox. 1H304 / STOT SE 3 H336         10 - 12,5           202-436-9         95-63-6         1,2,4+timethylbenzene         5 - 10           601-043-00-3         Fiam. Liq. 3 H226 / Acute Tox. 4 H332 / Eye Irrit. 2 H319 / STOT SE 3         10 - 12,5           1330-20-7         xylene         2,5 - 5         601-022-00-9         Fiam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2         2,5 - 5           203-132-9         103-65-1         propylbenzene         1 - 2,5         601-022-00-X         Fiam. Liq. 3 H226 / STOT SE 3 H335 / Aquati			•	C) No. 1272/2008 [(	CLP]	
INDEX No.         classification:         Remark           931-274-8         01-2119489834-20-000         28182-81-2         Hexamethylene diisocyanate oligomers, Isocyanurate Acute Tox, 4 H332 / STOT SE 3 H335 / Skin Sens. 1 H317         26-50           204-658-1         01-2119485493-29         25 - 50           123.86-4         n-butyl acetate         25 - 50           203-603-9         01-2119475791-29         26           108-65-6         2-methoxy-1-methylethyl acetate         10 - 12,5           607-025-00-1         Flam. Liq. 3 H226         10 - 12,5           617-195-00-7         Flam. Liq. 3 H226         10 - 12,5           617-425-95-6         Solvent naphtha (petroleum), light arom. Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411 / Asp. Tox. 1 H304 / STOT SE 3 H336         10 - 12,5           202-436-9         9         5-10         5-10           601-043-00-3         Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Eye Irrit. 2 H319 / STOT SE 3         5-10           203-132-9         10-2119488216-32         2,5 - 5           601-022-00-9         Flam. Liq. 3 H226 / Acute Tox. 1 H304 / STOT SE 3 H335 / Aquatic         2,5 - 5           601-022-00-9         Flam. Liq. 3 H226 / Acute Tox. 1 H304 / STOT SE 3 H335 / Aquatic         1 - 2,5           601-022-00-9         Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic <td></td> <td></td> <td></td> <td></td> <td></td> <td>10/4-0/</td>						10/4-0/
931-274-8       01-2119488934-20-0000       25 - 50         Acute Tox. 4 H332 / STOT SE 3 H335 / Skin Sens. 1 H317       25 - 50         204-658-1       01-2119485493-29       25 - 50         123-86-4       n-butyl acetate       25 - 50         607-025-00-1       Fiam. Liq. 3 H226 / STOT SE 3 H336       203-603-9         10-12,5       67-195-00-7       Fiam. Liq. 3 H226 / STOT SE 3 H336       10 - 12,5         918-668-5       01-2119456851-35       64742-95-6       Solvent naphtha (petroleum), light arom. Fiam. Liq. 3 H226 / STOT SE 3 H336       10 - 12,5         202-436-9       95-63-6       1,2,4-trimethylenzene H335 / Skin Irrit. 2 H315 / Aquatic Chronic 2 H411 / Asp. Tox. 1 H304 / STOT SE 3 H336       5 - 10         202-436-9       95-63-6       1,2,4-trimethylenzene H335 / Skin Irrit. 2 H315 / Aquatic Chronic 2 H411       5 - 10         215-53-7       01-2119488216-32 H335 / Skin Irrit. 2 H315 / Aquatic Chronic 2 H411       2,5 - 5         201-022-00-9       Fiam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2 H315       1 - 2,5         203-604-4       108-67-8 mesitylene       1 - 2,5         100-62-00-5       Fiam. Liq. 3 H226 / StOT SE 3 H335 / Aquatic Chronic 2 H411       1 - 2,5         203-604-4       108-67-8 mesitylene       1 - 2,5         100-61-4       ethylbenzene						
28182-81-2         Hexamethylene diisocyanate oligomers, Isocyanurate Acute Tox. 4 H332 / STOT SE 3 H335 / Skin Sens. 1 H317         25 - 50           204-658-1         01-2119485493-29         25 - 50           123-86-4         n-butyl acetate         25 - 50           607-025-00-1         Flam. Liq, 3 H226 / STOT SE 3 H336         10 - 12,5           607-025-00-7         Flam. Liq, 3 H226         10 - 12,5           607-195-00-7         Flam. Liq, 3 H226         10 - 12,5           617-195-00-7         Flam. Liq, 3 H226         10 - 12,5           618-68-5         01-2119455851-35         64742-95-6           64742-95-6         Solvent naphtha (petroleum), light arom. Flam. Liq, 3 H226 / Acute Tox. 4 H332 / Eye Irrit. 2 H319 / STOT SE 3         10 - 12,5           705-63-6         1,2,4-trimethylbenzene         5 - 10           601-043-00-3         Flam. Liq, 3 H226 / Acute Tox. 4 H332 / Eye Irrit. 2 H319 / STOT SE 3         5 - 5           601-022-00-9         Flam. Liq, 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2         1 - 2,5           601-022-00-9         Flam. Liq, 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic         1 - 2,5           601-022-00-9         Flam. Liq, 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411         2 - 2,5           7         907/9400-X         Flam. Liq, 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411		1		000		itemark
123-86-4       n-butyl acetate       25 - 50         607-025-00-1       Flam. Liq. 3 H226 / STOT SE 3 H336       203-603-9         01-2119475791-29       108-65-6       2-methoxy-1-methylethyl acetate       10 - 12,5         607-195-00-7       Flam. Liq. 3 H226       STOT SE 3 H335       Aquatic Chronic 2 H411 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic Chronic 2 H411 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic Chronic 2 H411 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic Chronic 2 H411       10 - 12,5         202-436-9       95-63-6       1,2,4+trimethylbenzene       5 - 10         601-043-00-3       Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Eye Irrit. 2 H319 / STOT SE 3 H335 / Skin Irrit. 2 H315 / Aquatic Chronic 2 H411       5 - 10         215-535-7       01-2119488216-32       2,5 - 5       5 - 00         103-65-1       propylbenzene       2,5 - 5         601-024-00-X       Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2       1 - 2,5         203-604-4       108-67-8       mesitylene       1 - 2,5         601-024-00-X       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1 - 2,5         203-604-4       108-67-8       mesitylene       1 - 2,5         601-022-00-5       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1 - 2,5         203-604-4       100-41-4       ethylbenzene<		Hexa Acute	methylene diisoo e Tox. 4 H332 /	yanate oligomers, I		25 - 50
607-025-00-1         Flam. Liq. 3 H226 / STOT SE 3 H336           203-603-9         01-2119475791-29           108-65-6         2-methoxy-1-methylethyl acetate         10 - 12,5           918-668-5         01-2119455851-35         64742-95-6           Solvent naphtha (petroleum), light arom.         10 - 12,5           Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411 / Asp.         Tox. 1 H304 / STOT SE 3 H336           202-436-9         5-10           95-63-6         1,2,4-trimethylbenzene           601-043-00-3         Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Eye Irrit. 2 H319 / STOT SE 3           H335 / Skin Irrit. 2 H315 / Aquatic Chronic 2 H411         215-535-7           101-212,00-9         Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2           103-65-1         propylbenzene         2,5 - 5           601-024-00-X         Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic         1 - 2,5           601-024-00-X         Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411         1 - 2,5           601-024-00-X         Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411         1 - 2,5           601-025-00-5         Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411         1 - 2,5           601-025-00-5         Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411         1		-				
203-603-9       01-2119475791-29       10-12,5         108-65-6       2-methoxy-1-methylethyl acetate       10-12,5         607-195-0-7       Flam. Liq. 3 H226       10-12,5         617-119455851-35       64742-95-6       Solvent naphtha (petroleum), light arom. Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411 / Asp. Tox. 1 H304 / STOT SE 3 H336       10-12,5         202-436-9       95-63-6       1,2,4-trimethylbenzene       5-10         601-043-00-3       Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Eye Irrit. 2 H319 / STOT SE 3       1330 / Stor SE 3         1335 / Skin Irrit. 2 H315 / Aquatic Chronic 2 H411       215-535-7       01-2119488216-32       2,5 - 5         601-022-00-9       Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2       1-2,5         601-022-00-9       Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic       1-2,5         601-024-00-X       Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic       1-2,5         601-025-00-5       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1-2,5         203-604-4       10-2,5       601-025-00-5       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1-2,5         202-849-4       10-2,5       601-025-00-5       Flam. Liq. 2 H225 / Acute Tox. 4 H332       1-2,5         601-025-00-5       Flam. Liq. 2 H2			•	STOT SE 3 H336		25 - 50
108-65-6         2-methoxy-1-methylethyl acetate         10 - 12,5           607-195-00-7         Flam. Liq. 3 H226         10 - 12,5           918-668-5         01-2119455851-35         10 - 12,5           64742-95-6         Solvent naphtha (petroleum), light arom. Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411 / Asp. Tox. 1 H304 / STOT SE 3 H336         10 - 12,5           202-436-9				5101 52 511550		
918-668-5       01-2119455851-35       10 - 12,5         64742-95-6       Solvent naphtha (petroleum), light arom. Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411 / Asp. Tox. 1 H304 / STOT SE 3 H336       10 - 12,5         202-436-9       9       5-63-6       1,2,4-trimethylbenzene       5 - 10         601-043-00-3       Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Eye Irrit. 2 H319 / STOT SE 3       5 - 10         7001-2119488216-32       1330-20-7       xylene       2,5 - 5         601-022-00-9       Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2       2,5 - 5         703-65-1       propylbenzene       1 - 2,5         601-024-00-X       Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1 - 2,5         703-65-1       propylbenzene       1 - 2,5         601-024-00-X       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1 - 2,5         703-60-4       mesitylene       1 - 2,5         100-41-4       ethylbenzene       1 - 2,5         601-025-00-5       Flam. Liq. 3 H226 / Acute Tox. 4 H332       1 - 2,5         601-025-00-6       Flam. Liq. 2 H225 / Acute Tox. 4 H332       1 - 2,5         601-023-00-4       Flam. Liq. 2 H225 / Acute Tox. 4 H332       1 - 2,5         601-023-00-4       Flam. Liq. 2 H225 / Acute Tox.		-		hyl acetate		10 - 12,5
64742-95-6       Solvent naphtha (petroleum), light arom. Flam. Liq. 3       10 - 12,5         202-436-9       Tox. 1 H304 / STOT SE 3 H336       5 - 10         201-043-00-3       Flam. Liq. 3       H226 / Acute Tox. 4 H332 / Eye Irrit. 2 H319 / STOT SE 3 H335 / Skin Irrit. 2 H315 / Aquatic Chronic 2 H411       5 - 10         215-535-7       01-2119488216-32 H335 / Skin Irrit. 2 H315 / Aquatic Chronic 2 H411       2,5 - 5         203-132-9       01-022-00-9       Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2 H315       1 - 2,5         203-132-9       103-65-1       propylbenzene       1 - 2,5         601-024-00-X       Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1 - 2,5         203-604-4       mesitylene       1 - 2,5         100-41-4       ethylbenzene       1 - 2,5         601-025-00-5       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1 - 2,5         203-604-4       100-41-4       ethylbenzene       1 - 2,5         100-41-4       ethylbenzene       1 - 2,5         601-023-00-4       Flam. Liq. 2 H225 / Acute Tox. 4 H332       1 - 2,5         601-023-00-4       Flam. Liq. 2 H225 / Acute Tox. 4 H332       1 - 2,5         601-023-00-4       Flam. Liq. 2 H225 / Acute Tox. 4 H332       1 - 2,5         601-023-00						
Flam. Liq. 3       H226 / STOT ŠE 3 H335 / Aquatic Chronic 2 H411 / Asp. Tox. 1 H304 / STOT SE 3 H336         202-436-9       95-63-6       1,2,4-trimethylbenzene       5-10         601-043-00-3       Flam. Liq. 3       H226 / Acute Tox. 4 H332 / Eye Irrit. 2 H319 / STOT SE 3       H335 / Skin Irrit. 2 H315 / Aquatic Chronic 2 H411         215-535-7       01-2119488216-32       2,5 - 5         601-022-00-9       Flam. Liq. 3       H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2         H315       203-132-9       1 - 2,5         601-024-00-X       Flam. Liq. 3       H226 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic         Chronic 2 H411       203-604-4       1 - 2,5         601-023-00-5       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411         203-604-4       mesitylene       1 - 2,5         601-023-00-5       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1 - 2,5         601-023-00-4       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1 - 2,5         601-023-00-4       Flam. Liq. 3 H226 / Acute Tox. 4 H332       1 - 2,5         601-023-00-4       Flam. Liq. 2 H225 / Acute Tox. 4 H332       1 - 2,5         601-023-00-4       Flam. Liq. 2 H225 / Acute Tox. 4 H332       0,5         615-011-02-1       Acute Tox. 3 H331 / Eye Irrit. 2 H319 / STOT SE 3 H335 / Sk						40 40 5
202-436-9       95-63-6       1,2,4-trimethylbenzene       5 - 10         601-043-00-3       Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Eye Irrit. 2 H319 / STOT SE 3       5 - 10         215-535-7       01-2119488216-32       2,5 - 5         1330-20-7       xylene       2,5 - 5         601-022-00-9       Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2       1 - 2,5         203-132-9       103-65-1       propylbenzene       1 - 2,5         601-024-00-X       Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic       1 - 2,5         601-024-00-X       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic       1 - 2,5         601-025-00-5       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1 - 2,5         202-849-4       100-41-4       ethylbenzene       1 - 2,5         100-41-4       ethylbenzene       1 - 2,5         601-023-00-4       Flam. Liq. 2 H225 / Acute Tox. 4 H332       212-485-8       01-2119457571-37         2212-485-8       01-2119457571-37       < 0,5	64742-95-6	Flam	. Liq. 3 H226 /	STOT SE 3 H335	/ Aquatic Chronic 2 H411 / Asp.	
601-043-00-3       Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Eye Irrit. 2 H319 / STOT SE 3 H335 / Skin Irrit. 2 H315 / Aquatic Chronic 2 H411         215-535-7       01-2119488216-32 xylene       2,5 - 5         601-022-00-9       Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2 H315       2,5 - 5         203-132-9       103-65-1       propylbenzene       1 - 2,5         601-024-00-X       Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1 - 2,5         203-604-4       1 - 2,5       1 - 2,5         108-67-8       mesitylene       1 - 2,5         601-025-00-5       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1 - 2,5         202-849-4       1 - 2,5       1 - 2,5         100-41-4       ethylbenzene       1 - 2,5         601-023-00-4       Flam. Liq. 2 H225 / Acute Tox. 4 H332       1 - 2,5         212-485-8       01-2119457571-37       < 0,5						
H335 / Škin Irrit. 2 H315 / Aquatic Chronic 2 H411         215-535-7       01-2119488216-32       2,5 - 5         1330-20-7       xylene       2,5 - 5         601-022-00-9       Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2       1 - 2,5         203-132-9       1 - 2,5       1 - 2,5         601-024-00-X       Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic       1 - 2,5         601-024-00-X       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic       1 - 2,5         601-024-00-X       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1 - 2,5         203-604-4       1 - 2,5       1 - 2,5         100-61-4       tehylbenzene       1 - 2,5         601-025-00-5       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411       202-849-4         100-41-4       ethylbenzene       1 - 2,5         601-023-00-4       Flam. Liq. 2 H225 / Acute Tox. 4 H332       1 - 2,5         212-485-8       01-2119457571-37        <0,5						
1330-20-7       xylene       2,5 - 5         601-022-00-9       Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2         103-65-1       propylbenzene       1 - 2,5         601-024-00-X       Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic       1 - 2,5         203-604-4       108-67-8       mesitylene       1 - 2,5         100-41-25-00-5       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1 - 2,5         202-849-4       100-41-4       ethylbenzene       1 - 2,5         601-023-00-4       Flam. Liq. 2 H225 / Acute Tox. 4 H332       1 - 2,5         212-485-8       01-2119457571-37           822-06-0       hexamethylene-di-isocyanate       <0,5		H335	/ Skin Irrit. 2 H			
H315         203-132-9       propylbenzene       1 - 2,5         601-024-00-X       Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic       1 - 2,5         601-024-00-X       Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic       1 - 2,5         203-604-4       108-67-8       mesitylene       1 - 2,5         601-025-00-5       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1 - 2,5         202-849-4       100-41-4       ethylbenzene       1 - 2,5         601-023-00-4       Flam. Liq. 2 H225 / Acute Tox. 4 H332       1 - 2,5         212-485-8       01-2119457571-37       < 0,5						2,5 - 5
203-132-9       propylbenzene       1 - 2,5         103-65-1       propylbenzene       1 - 2,5         601-024-00-X       Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic       1 - 2,5         203-604-4       108-67-8       mesitylene       1 - 2,5         601-025-00-5       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1 - 2,5         202-849-4       100-41-4       ethylbenzene       1 - 2,5         601-023-00-4       Flam. Liq. 2 H225 / Acute Tox. 4 H332       1 - 2,5         212-485-8       01-2119457571-37       822-06-0       hexamethylene-di-isocyanate       < 0,5	601-022-00-		•	Acute Tox. 4 H332	/ Acute Tox. 4 H312 / Skin Irrit. 2	
103-65-1       propylbenzene       1 - 2,5         601-024-00-X       Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic       1 - 2,5         203-604-4       108-67-8       mesitylene       1 - 2,5         601-025-00-5       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1 - 2,5         202-849-4       100-41-4       ethylbenzene       1 - 2,5         601-023-00-4       Flam. Liq. 2 H225 / Acute Tox. 4 H332       1 - 2,5         212-485-8       01-2119457571-37       2         822-06-0       hexamethylene-di-isocyanate       < 0,5	203-132-9	H315	)			
601-024-00-X       Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H335 / Aquatic         203-604-4       108-67-8       mesitylene       1 - 2,5         601-025-00-5       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1 - 2,5         202-849-4       100-41-4       ethylbenzene       1 - 2,5         601-023-00-4       Flam. Liq. 2 H225 / Acute Tox. 4 H332       1 - 2,5         212-485-8       01-2119457571-37          822-06-0       hexamethylene-di-isocyanate       < 0,5		propy	/lbenzene			1 - 2,5
203-604-4       108-67-8       mesitylene       1 - 2,5         601-025-00-5       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1 - 2,5         202-849-4       100-41-4       ethylbenzene       1 - 2,5         601-023-00-4       Flam. Liq. 2 H225 / Acute Tox. 4 H332       1 - 2,5         212-485-8       01-2119457571-37          822-06-0       hexamethylene-di-isocyanate       < 0,5		X Flam	. Liq. 3 H226	/ Asp. Tox. 1 H30	04 / STOT SE 3 H335 / Aquatic	;
108-67-8       mesitylene       1 - 2,5         601-025-00-5       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411       1 - 2,5         202-849-4       100-41-4       ethylbenzene       1 - 2,5         601-023-00-4       Flam. Liq. 2 H225 / Acute Tox. 4 H332       1 - 2,5         212-485-8       01-2119457571-37           822-06-0       hexamethylene-di-isocyanate       < 0,5	202 004 4	Chro	nic 2 H411			
601-025-00-5       Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411         202-849-4       100-41-4       ethylbenzene       1 - 2,5         601-023-00-4       Flam. Liq. 2 H225 / Acute Tox. 4 H332       1 - 2,5         212-485-8       01-2119457571-37          822-06-0       hexamethylene-di-isocyanate       < 0,5		mesit	vlene			1-25
202-849-4       100-41-4       ethylbenzene       1 - 2,5         601-023-00-4       Flam. Liq. 2 H225 / Acute Tox. 4 H332       1 - 2,5         212-485-8       01-2119457571-37          822-06-0       hexamethylene-di-isocyanate       < 0,5				STOT SE 3 H335 /	Aquatic Chronic 2 H411	1 2,5
601-023-00-4       Flam. Liq. 2 H225 / Acute Tox. 4 H332         212-485-8       01-2119457571-37         822-06-0       hexamethylene-di-isocyanate       < 0,5	202-849-4		•			
212-485-8       01-2119457571-37         822-06-0       hexamethylene-di-isocyanate       < 0,5						1 - 2,5
822-06-0         hexamethylene-di-isocyanate         < 0,5				Acute Tox. 4 H332		
615-011-00-1         Acute Tox. 3         H331 / Eye Irrit. 2         H319 / STOT SE 3         H335 / Skin Irrit. 2           H315 / Resp. Sens. 1         H334 / Skin Sens. 1         H317				ovanate		< 0.5
		1 Acute	e Tox. 3 H331	/ Eye Irrit. 2 H319		
	Classificatio	on according to	o Directive 67/54	48/EEC or 1999/45/	EC	
	EC No.	REA	CH No.			
CAS No. Chemical name Wt %	CAS No.	Cher	nical name			Wt %

EYCOLC	according to	Regulation (EU)	No 453/2010		
	Article No.: Print date: Version:	113-300 17.09.2014 1.3	REDOCRYL Revision date: 03.02.2014 Issue date: 03.02.2014		999998 EN Page 3 / 9
INDEX No.	classification:				
931-274-8	01-2119488934-20-0				
28182-81-2	Hexamethylen-1,6-di	socyanat Homopoly	mer	25 - 50	
	Xn; R20 / Xi; R37 / R	43			
204-658-1	01-2119485493-29				
123-86-4	n-butyl acetate			25 - 50	
607-025-00-1	R10 / R66 / R67				
203-603-9	01-2119475791-29				
108-65-6	2-methoxy-1-methyle	thyl acetate		10 - 12,5	
607-195-00-7	R10			*	
265-199-0	01-2119455851-35				
64742-95-6	Solvent naphtha (pet	roleum), light arom.;	Low boiling point naphtha -	10 - 12,5	
649-356-00-4	unspecified R10 / Xi; R37 / N; R5	1-53 / Xn: R65 / R66	6 / R67		
202-436-9					
95-63-6	1,2,4-trimethylbenzer	ne		5 - 10	
601-043-00-3	R10 / Xn; R20 / Xi; R		3		
215-535-7	01-2119488216-32				
1330-20-7	xylene, mixture of iso	mers		2,5 - 5	
601-022-00-9	R10 / Xn; R20/21 / Xi				
203-132-9					
103-65-1	propylbenzene			1 - 2,5	
601-024-00-X	R10 / Xn; R65 / Xi; R	37 / N; R51-53		·	
203-604-4					
108-67-8	mesitylene			1 - 2,5	
601-025-00-5	R10 / Xi; R37 / N; R5	1-53			
202-849-4	· _ · _ · _ · _ · _ · _ · _ · _ ·				
100-41-4	ethylbenzene			1 - 2,5	
601-023-00-4	F; R11 / Xn; R20				
212-485-8	01-2119457571-37				
822-06-0	hexamethylene-di-isc	ocyanate		< 0,5	
615-011-00-1	T; R23 / Xi; R36/37/3	•			
Additional inform	nation				

#### Additional information

\* Substance with a common (EC) occupational exposure limit value. Full text of R-phrases: see section 16. Full text of H-phrases: see section 16.

### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

#### After inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

#### Following skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

#### After eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

#### After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do not induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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



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### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

#### Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

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Extinguishing media which must not be used for safety reasons:

strong water jet

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

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

### 5.3. Special protective equipment for firefighters:

Provide a conveniently located respiratory protective device.

#### Additional information

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

#### SECTION 6: Accidental release measures

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

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours. See protective measures under point 7 and 8.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

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

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Use appropriate container to avoid environmental contamination. Fouled surfaces must be immediately cleaned with suitable solvents, Useable as such (flammable): water 45 vol.% ethanol or i-propanol 50 vol. % ammonia solution (density= 0.88) 5 vol.% Alternative (non-flammable): sodium carbonate 5 vol.% water 95 vol.%.

Take up spilled residuals with the same agent and leave them for a few days in unclosed containers until there is no further reaction. Then, close the containers and dispose of them in accordance with the regulations for waste removal (refer to Chapter 13

#### 6.4. Reference to other sections

Observe protective provisions (see chapter 7 and 8).

### **SECTION 7: Handling and storage**

People who suffer from skin sensitazion problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation.

People who spray this preparation should have regular pulmonary function tests.

#### 7.1. Precautions for safe handling

#### Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Be careful when opening used containers (excess pressure). Precautionary measures should be taken in order to reduce strain from humidity or water: CO2 is formed which may produce excess pressure in closed containers . Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to chapter 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

#### Precautions against fire and explosion:

Vapours are heavier than air. Vapours form explosive mixtures with air.

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

### Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not



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empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (BGR 132)".

#### Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers. Keep away from amines, alcohols and water.

#### Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

#### 7.3. Specific end use(s)

Observe technical data sheet.

#### **SECTION 8: Exposure controls/personal protection**

People who suffer from skin sensitazion problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation.

People who spray this preparation should have regular pulmonary function tests.

#### 8.1. Control parameters

Occupational exposure limit values: xylene, mixture of isomers INDEX No. 601-022-00-9 / EC No. 215-535-7 / CAS No. 1330-20-7 EN, TWA: 220 mg/m3; 50 ppm EN, STEL: 441 mg/m3; 100 ppm ethvlbenzene INDEX No. 601-023-00-4 / EC No. 202-849-4 / CAS No. 100-41-4 EN, TWA: 441 mg/m3; 100 ppm EN, STEL: 552 mg/m3; 125 ppm mesitylene INDEX No. 601-025-00-5 / EC No. 203-604-4 / CAS No. 108-67-8 EG, TWA: 100 mg/m3; 20 ppm n-butvl acetate INDEX No. 607-025-00-1 / EC No. 204-658-1 / CAS No. 123-86-4 EN, TWA: 724 mg/m3; 150 ppm EN, STEL: 966 mg/m3; 200 ppm 2-methoxy-1-methylethyl acetate

INDEX No. 607-195-00-7 / EC No. 203-603-9 / CAS No. 108-65-6

EN, TWA: 274 mg/m3; 50 ppm

EN, STEL: 548 mg/m3; 100 ppm

1,2,4-trimethylbenzene INDEX No. 601-043-00-3 / EC No. 202-436-9 / CAS No. 95-63-6

EG, TWA: 100 mg/m3; 20 ppm

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified INDEX No. 649-356-00-4 / EC No. 265-199-0 / CAS No. 64742-95-6

EG, TWA: 200 mg/m3; 50 ppm

#### Additional information

TWA : long-term occupational exposure limit value STEL : short-term occupational exposure limit value Ceiling : peak limitation

#### 8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. When spraying, wear self-contained breathing apparatus. For other tasks a suitable respiratory system must be used, if local and room suction is not sufficient for keeping aerosol and solvent vapour concentration below the exposure limit values. (refer to Personal protection equipment.)

#### Occupational exposure controls

#### **Respiratory protection**

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection



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apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

#### Dand protection

For prolonged or repeated handling the following glove material must be used: solventresistant Latex gloves

Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

#### Eye protection

Wear closely fitting protective glasses in case of splashes.

#### **Protective clothing**

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

### Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

#### Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

### **SECTION 9: Physical and chemical properties**

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

•							
	Appearance:	liquid					
	Physical state	liquid					
	Colour	see productname					
	Odour	typical					
	Safety relevant basis data		Unit	Method	Remark		
	Flash point (°C):	23	°C				
	Ignition temperature in °C:	180	°C				
	lower explosion limit:	1,1	Vol-%				
	Upper explosion limit:	10,8	Vol-%				
	Vapour pressure at 20 °C: 20	5,02	hPa				
	Density at 20 °C: 20	0,97	g/cm³				
	Water solubility (g/L):	insoluble					
	pH value at 20 °C: 20	n.a.					
	Viscosity at 20 °C: 20	> 15 s 4 mm		DIN 53211			
	Solvent separation test (%):	< 3	%				
	Solid content (%):	38	Wt %				
	solvent content:						
	Organic solvents:	62,25	Wt %				
<u>.</u>	Other information						

#### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

9.2.

#### 10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

#### 10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

#### 10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

#### 10.5. Incompatible materials

#### 10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

### **SECTION 11: Toxicological information**

No data on preparation itself available.



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#### 11.1. Information on toxicological effects

#### Acute toxicity

Toxicological data are not available.

#### Irritant and corrosive effects

Toxicological data are not available.

#### Sensitisation

Toxicological data are not available.

#### Specific target organ toxicity

Toxicological data are not available.

#### Aspiration hazard

Toxicological data are not available.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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Toxicological data are not available.

#### Practical experience/human evidence

#### Other observations:

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, dizziness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage. Because of the isocyanate components" properties of this and with consideration of similar preparations the following applies: Preparation may cause acute irritation and/or sensitization of airways which lead to tightness in thorax, short-breath and asthmatic complaints. After sensitization even concentrations below the exposure limit values may cause asthma. Repeated inhaling can lead to permanent illness of the respiratory tract. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption struct. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption struct.

#### **Overall Assessment on CMR properties**

The ingredients in this preparation do not meet the criteria for classification as CMR category 1 or 2. according to 67/548/EEC.

There is no information available on the preparation itself . The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

### **SECTION 12: Ecological information**

#### overall evaluation

There is no information available on the preparation itself . Do not allow to enter into surface water or drains.

#### 12.1. Toxicity

No information available.

#### Long-term Ecotoxicity

Toxicological data are not available.

12.2. Persistence and degradability

Toxicological data are not available.

### 12.3. Bioaccumulative potential

Toxicological data are not available.

#### Bioconcentration factor (BCF)

Toxicological data are not available.

### 12.4. Mobility in soil

Toxicological data are not available.

### 12.5. Results of PBT assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects



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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

### Appropriate disposal / Product

#### Recommendation

Do not allow to enter into surface water or drains. Handle contaminated packages in the same way as the substance itself. This material and its container must be disposed of in a safe way. Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

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080111 waste paint and varnish containing organic solvents or other dangerous substances

packaging

### Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

	SECTION 14: Transport information				
14.1. <b>L</b>	UN number				
		1263			
	<b>JN proper shipping name</b> Land transport (ADR/RID): Sea transport (IMDG): Air transport (ICAO-TI / IATA-DGR):	Paint PAINT Paint			
14.3. <b>1</b>	Transport hazard class(es)				
		3			
14.4.	Packing group	III			
14.5.	Environmental hazards				
	Land transport (ADR/RID)	n.a.			
	Marine pollutant	n.a.			
14.6.	Special precautions for user				
	Transport always in closed, upright and safe con case of an accident or leakage. Advices on safe handling: see parts 6 - 8	tainers. Make sure that persons transporting the product know what to do in			
:	Additional information				
	Land transport (ADR/RID)				
	tunnel restriction code	D/E SONDERVORSCHRIFT 640E			
	Sea transport (IMDG)				
	EmS-No.	F-E, S-E			
14.7.	Transport in bulk according to Annex II of MA	RPOL 73/78 and the IBC Code			
	not applicable				
	SECTION 15: Regulatory information				
15.1.	Safety, health and environmental regulations/	legislation specific for the substance or mixture			
	EU legislation				
	Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).VOC-value (in g/L) ISO 11890-2:603VOC-value (in g/L) ASTM D 2369:603				
	according to EU-regulation 2004/42/EC (appendix II) EU limit value for this product (cat. nicht anwendbar): 0 g/l (2007)/0 g/l (2010). This product contains max 603 g/l VOC.				
	National regulations				
	Restrictions of occupation				

**Restrictions of occupation** 

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				ective (92/85/EEC) for expectant or nur		
	Observe restrictions to employment for juvenils according to the "juvenile work protection guideline" (94/33/EC). Other regulations, restrictions and prohibition regulations					
	USA (TS	-	in the second second			
	Australien (AIC Canada (DS	CS)				
	Schwitzerland (EIN Japan (ME	NECS) TI)				
15.2.	Chemical Safety Ass		see in this proparation wa	re not carried out		
	-		ces in this preparation we	Te not carried out.		
	Korea (ECI Philippines (PIC China (IEC					
	SECTION 16: Othe	r information				
	Relevant R-and H-ph	rases (Number and	I full text):			
	Acute Tox. 4 / H332	Acute toxic	city (inhalative)	Harmful if inhaled.		
	STOT SE 3 / H335	Specific ta exposure)	rget organ toxicity (single	May cause respiratory irritatio	n.	
	Skin Sens. 1 / H317	respiratory	or skin sensitisation	May cause an allergic skin rea		
	Flam. Liq. 3 / H226	flammable		Flammable liquid and vapour.		
	STOT SE 3 / H336	Specific ta exposure)	rget organ toxicity (single	May cause drowsiness or dizz	ziness.	
	Aquatic Chronic 2 / H	411 Hazardous	s to the aquatic environme	ent Toxic to aquatic life with long	lasting effects.	
	Asp. Tox. 1 / H304	Aspiration	hazard	May be fatal if swallowed and	enters airways.	
	Eye Irrit. 2 / H319	Serious ey	e damage/eye irritation	Causes serious eye irritation.		
	Skin Irrit. 2 / H315	skin corros	sion/irritation	Causes skin irritation.		
	Acute Tox. 4 / H312	Acute toxic	city (dermal)	Harmful in contact with skin.		
	Flam. Liq. 2 / H225	flammable	liquids	Highly flammable liquid and va	apour.	
	Acute Tox. 3 / H331	Acute toxic	city (inhalative)	Toxic if inhaled.		
	Resp. Sens. 1 / H334	respiratory	or skin sensitisation	May cause allergy or asthma breathing difficulties if inhaled		
	R10			Flammable		
	Xn; R20/21	Harmful		Harmful by inhalation and in c	contact with skin.	
	Xi; R38	Irritant		Irritating to skin.		
	F; R11	Highly flan	nmable	Highly flammable		
	Xn; R20	Harmful		Harmful by inhalation.		
	Xn; R65	Harmful		Harmful: may cause lung dam		
	Xi; R37	Irritant	for the environment	Irritating to respiratory system		
	N; R51-53	-	s for the environment	Toxic to aquatic life. May caus adverse effects in the aquatic		
	T; R23	Toxic		Toxic by inhalation.		
	Xi; R36/37/38 R42/43	Irritant		Irritating to eyes, respiratory s May cause sensitization by inl		
	R66			contact. Repeated exposure may caus		
	D07			cracking.		

R67 R43

#### Additional information

**FEYCOLOR**<sup>®</sup>

Article No.:

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

Vapours may cause drowsiness and dizziness. May cause sensitization by skin contact.