

## RUDOLF-products from an ecological point of view

Version 30  
2019-01-09

According to our current state of knowledge, the products of RUDOLF GmbH Geretsried listed below do not contain in their recipes any:

- Phthalates
- Brominated and chlorinated flame retardants
- Azo dyes
- Organotin components
- Chlorobenzenes
- Chlorinated solvents
- Chlorophenols
- Short-chain chlorinated paraffins
- Heavy metals
- APEOs / NPEs
- Chlorine-organic carriers
- Pesticides
- Potassium dichromate
- Dimethylfumarate
- Dimethylformamide
- Aromatic amines
- Bisphenol A

Please also take account of the notes following the list !

Product name	Match code	COD	BOD5	Elimination (OECD 302 B) [%]	> 0.1 % free Formaldehyde [%]	Standard 100 by OEKO-TEX <sup>®1)</sup>	Suitable for Product Class <sup>2)</sup>
FERAN	ASR	460	< 10	> 90	-	yes	I - IV
FERAN	FPS	310	50	> 92	-	yes	I - IV
FERAN	GU	650	150	> 80	-	yes	I - IV
FERAN	ICA	n.a.	n.a.	> 90	-	yes	I - IV
FERAN	ICE	340	30	> 91	-	yes	I - IV
FERAN	ICP	570	140	< 60	-	yes	I - IV
FERAN	ICS	510	40	> 90	-	yes	I - IV
FERAN	SSF CONC	< 10	< 10	-	-	yes	I - IV
FERAN	SSG 200	70	< 10	> 90	-	yes	I - IV
FERAN	SSG CONC	70	< 10	> 90	-	yes	I - IV
FERAN	X-GU	650	150	> 80	-	yes	I - IV
FERAN	X-SSG 200	70	< 10	> 90	-	yes	I - IV
HYDROCOL	AFF	440	< 10	20 - 70	-	yes	I - IV
HYDROCOL	APK	570	< 10	20 - 70	-	yes	I - IV
HYDROCOL	APR	440	< 10	20 - 70	-	yes	I - IV
HYDROCOL	ARD	690	60	> 50	-	yes	I - IV
HYDROCOL	HOT	220	< 10	> 20	-	yes	I - IV
HYDROCOL	KAE	240	10	< 40	-	yes	I - IV
HYDROCOL	KDF	1060	180	> 80	-	yes	I - IV
HYDROCOL	KNI	190	< 10	30	-	yes	I - IV
HYDROCOL	KTQ	760	30	> 70	-	yes	I - IV
HYDROCOL	RVD	140	< 10	> 90	-	yes	I - IV
HYDROCOL	SCL	760	190	> 80	-	yes	II - IV <sup>4)</sup>
HYDROCOL	SIC	1830	70	> 70	-	yes	II - IV <sup>4)</sup>
HYDROCOL	SID	540	60	> 80	-	yes	II - IV <sup>4)</sup>
HYDROCOL	SUN	170	< 10	< 20	-	yes	I - IV
HYDROCOL	SUN 200	170	< 10	25 - 50	-	yes	I - IV
HYDROCOL	SVN	550	80	> 80	-	yes	II - IV <sup>4)</sup>
HYDROCOL	WRF NEW	660	30	> 70	-	yes	I - IV
HYDROCOL	X-KNI	190	< 10	30	-	yes	I - IV
HYDROCOL	X-WRF NEW	660	30	> 70	-	yes	I - IV

Product name	Match code	COD	BOD <sub>5</sub>	Elimination (OECD 302 B) [%]	> 0.1 % free Formaldehyde [%]	Standard 100 by OEKO-TEX <sup>®1)</sup>	Suitable for Product Class <sup>2)</sup>
PERRUSTOL	AST NEW	580	200	> 60	-	yes	I - IV
PERRUSTOL	CCA	570	230	> 80	-	yes	I - IV
PERRUSTOL	CCA 500	2650	820	> 70	-	yes	I - IV
PERRUSTOL	CCF	430	110	> 70	-	yes	I - IV
PERRUSTOL	HIS	340	110	> 80	-	yes	I - IV
PERRUSTOL	HNS NEW	260	120	> 80	-	yes	I - IV
PERRUSTOL	IPS 500 NEW	n.a.	n.a.	> 70	-	yes	I - IV
PERRUSTOL	IPS NEW	n.a.	n.a.	> 70	-	yes	I - IV
PERRUSTOL	MMU NEW	510	150	> 80	-	yes	I - IV
PERRUSTOL	MMX	520	250	> 80	-	yes	I - IV
PERRUSTOL	MMX CONC	2500	880	> 80	-	yes	I - IV
PERRUSTOL	RPP	570	280	> 80	-	yes	I - IV
PERRUSTOL	TIC 500	n.a.	n.a.	> 70	-	yes	I - IV
PERRUSTOL	ULN	n.a.	n.a.	> 80	-	yes	I - IV
PERRUSTOL	VNO 500 NEW	n.a.	n.a.	> 70	-	yes	I - IV
PERRUSTOL	VNO NEW	610	50	> 70	-	yes	I - IV
PERRUSTOL	WDD NEW	690	70	> 80	-	yes	I - IV
PERRUSTOL	X-IPS 500 NEW	n.a.	n.a.	> 70	-	yes	I - IV
PERRUSTOL	X-VNO 500 NEW	n.a.	n.a.	> 70	-	yes	I - IV
RUCO-ACID	ABS	120	60	> 90	-	yes	I - IV
RUCO-ACID	ABS 200	250	130	> 90	-	yes	I - IV
RUCO-ACID	BSA	200	20	> 90	-	yes	I - IV
RUCO-ACID	BSF	220	10	> 80	-	yes	I - IV
RUCO-ACID	NYL	1020	420	> 90	-	yes	I - IV
RUCO-BAC	AGL	140	90	> 80	-	yes	I - IV
RUCO-BAC	AGP	110	60	> 80	-	yes	I - IV
RUCO-BAC	HSA CONC	ca. 2200	n.a.	-	-	yes	I - IV
RUCO-BAC	ZPY	n.a.	n.a.	-	-	yes	I - IV
RUCO-BLANC	ABH	260	20	> 80	-	yes	I - IV
RUCO-BLANC	ADA	260	< 10	> 80	-	yes	I - IV
RUCO-BLANC	ADE	445	451	> 80	-	yes	I - IV
RUCO-BLANC	AMA	290	< 10	< 30	-	yes	I - IV
RUCO-BLANC	AMA 375	1100	140	10 - 25	-	yes	I - IV
RUCO-BLANC	AMR	529	0	10 - 25	-	yes	I - IV
RUCO-BLANC	ANF	880	0	10 - 25	-	yes	I - IV
RUCO-BLANC	OAB	n.a.	n.a.	20 - 70	-	yes	I - IV
RUCO-BLANC	OAM	480	< 10	20 - 70	-	yes	I - IV
RUCO-BLANC	OBC	n.a.	n.a.	20 - 70	-	yes	I - IV
RUCO-BLANC	OBI	370	< 10	20 - 50	-	yes	I - IV
RUCO-BLANC	OBL	730	140	> 80	-	yes	I - IV
RUCO-BLANC	ORH	n.a.	n.a.	20 - 50	-	yes	I - IV
RUCO-BOND	PFL	n.a.	n.a.	-	-	yes	I - IV
RUCO-BOND	PHA	n.a.	n.a.	> 70	-	yes	I - IV
RUCO-BOND	PVS	780	30	< 30	-	yes	I - IV
RUCO-CAT	MCC	70	50	> 90	-	yes	I - IV
RUCO-CLEANER	MAL	470	20	< 60	-	yes	I - IV
RUCO-CLEANER	MS	460	190	> 90	-	yes	I - IV
RUCO-COAT	AC 1010	n.a.	n.a.	> 70	-	yes	I - IV
RUCO-COAT	AC 2510	n.a.	n.a.	-	-	yes	I - IV
RUCO-COAT	AC 7610	n.a.	n.a.	> 70	-	yes	I - IV
RUCO-COAT	ACF	n.a.	n.a.	-	-	yes	I - IV
RUCO-COAT	AD 7005	710	70	> 80	-	yes	I - IV
RUCO-COAT	AD 7021	1015	150	> 60	-	yes	I - IV
RUCO-COAT	AD 7050	n.a.	n.a.	80 - 100	-	yes	I - IV
RUCO-COAT	AD 7070	n.a.	n.a.	50	-	yes	I - IV
RUCO-COAT	AD 7090	280	10	> 40	-	yes	I - IV
RUCO-COAT	AD 7100	n.a.	n.a.	-	-	yes	I - IV
RUCO-COAT	AV 7730	n.a.	n.a.	-	-	yes	I - IV
RUCO-COAT	BC 6040	460	20	> 70	-	yes	II - IV <sup>3)5)</sup>
RUCO-COAT	BC 6041	380	20	> 80	-	yes	II - IV <sup>3)</sup>
RUCO-COAT	BC 7060	590	110	> 80	-	yes	I - IV
RUCO-COAT	BC 7065	630	100	> 80	-	yes	I - IV
RUCO-COAT	BC 7068	610	< 10	> 70	-	yes	I - IV
RUCO-COAT	BC 7061 NEW	630	100	> 80	-	yes	I - IV





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RUCOFIN	X-GWS	970	80	> 80	-	yes	I - IV
RUCOFIN	X-GWA	480	40	> 80	-	yes	I - IV
RUCOFIN	X-HSX	n.a.	n.a.	> 80	-	yes	I - IV
RUCOFIN	X-SIQ NEW	650	< 10	> 80	-	yes	I - IV
RUCOFIN	X-WSE NEW	600	70	> 70	-	yes	I - IV
RUCOFIN	ZNZ	n.a.	n.a.	> 80	-	yes	I - IV
RUCO-FLAM	NMP	40	< 10	< 30	-	yes	I - IV
RUCO-FLAM	NMT	20	< 10	> 20	-	yes	I - IV
RUCO-FLAM	PCE	1100	30	< 30	< 0.2	yes	II - IV
RUCO-FLAM	PSY-E	n.a.	n.a.	> 70	-	yes	I - IV
RUCO-FLAM	SCO	<10	<10	< 90	-	yes	IV
RUCO-FLOW	AIA	840	130	< 90	-	yes	I - IV
RUCO-FLOW	AIL	600	140	> 70	-	yes	I - IV
RUCO-FLOW	AIM	230	70	> 90	-	yes	I - IV
RUCO-FLOW	AIO	1.020	260	> 90	-	yes	I - IV
RUCO-FLOW	ALX	530	340	> 90	-	yes	I - IV
RUCO-FLOW	CPA	n.a.	n.a.	100	-	yes	I - IV
RUCO-FLOW	CPN-P	40	< 10	> 80	-	yes	I - IV
RUCOGAL	ACD	750	150	> 70	-	yes	I - IV
RUCOGAL	ELD	n.a.	n.a.	> 90	-	yes	I - IV
RUCOGAL	ENE	530	240	> 90	-	yes	I - IV
RUCOGAL	ERA	1500	730	> 90	-	yes	I - IV
RUCOGAL	ERB	570	110	> 80	-	yes	I - IV
RUCOGAL	ERQ	1260	310	> 90	-	yes	I - IV
RUCOGAL	ERT	1050	220	> 80	-	yes	I - IV
RUCOGAL	FSH	520	100	> 70	-	yes	I - IV
RUCOGAL	INT	620	70	> 60	-	yes	I - IV
RUCOGAL	IPN	310	10	> 30	< 0.5	yes	I - IV
RUCOGAL	JBM	1590	350	100	-	yes	I - IV
RUCOGAL	PA	1210	300	> 70	-	yes	I - IV
RUCOGAL	PAA	730	10	> 80	-	yes	I - IV
RUCOGAL	PAB 300	1130	390	> 90	-	yes	I - IV
RUCOGAL	PAN	410	10	20 - 70	-	yes	I - IV
RUCOGAL	PAP	410	10	> 70	-	yes	I - IV
RUCOGAL	PAT	1190	90	> 80	-	yes	I - IV
RUCOGAL	PAU	690	< 10	> 70	-	yes	I - IV
RUCOGAL	PDI	1070	620	> 80	-	yes	I - IV
RUCOGAL	POS	780	270	> 50	-	yes	I - IV
RUCOGAL	PVI	470	10	> 80	-	yes	I - IV
RUCOGAL	RF LIQUID	560	< 10	> 60	-	yes	I - IV
RUCOGAL	RLC	730	10	> 30	-	yes	I - IV
RUCOGAL	SUR	250	< 10	> 50	-	yes	I - IV
RUCOGEN	AFA	1220	470	> 60	-	yes	I - IV
RUCOGEN	BFA 200	850	210	> 80	-	yes	I - IV
RUCOGEN	CD	800	130	> 80	-	yes	I - IV
RUCOGEN	D 3	2020	680	> 90	-	yes	I - IV
RUCOGEN	DAB	530	50	> 90	-	yes	I - IV
RUCOGEN	DEC	2100	220	> 90	-	yes	I - IV
RUCOGEN	DFL	640	210	> 80	-	yes	I - IV
RUCOGEN	DFL 300	1970	610	> 80	-	yes	I - IV
RUCOGEN	ESC	860	260	> 80	-	yes	I - IV
RUCOGEN	FBL	2040	340	> 90	-	yes	I - IV
RUCOGEN	FWK	2050	690	> 80	-	yes	I - IV
RUCOGEN	FWS	2130	450	> 90	-	yes	I - IV
RUCOGEN	NED	730	220	90	-	yes	I - IV
RUCOGEN	NZA	420	250	> 90	-	yes	I - IV
RUCOGEN	REG	740	120	> 80	-	yes	I - IV
RUCOGEN	RES	740	120	> 80	-	yes	I - IV
RUCOGEN	RPD	1700	420	> 80	-	yes	I - IV
RUCOGEN	SFE	2380	610	> 90	-	yes	I - IV
RUCOGEN	SFW-B	n.a.	n.a.	> 90	-	yes	I - IV
RUCOGEN	SOC	180	< 10	> 70	-	yes	I - IV
RUCOGEN	WBL	1470	440	> 80	-	yes	I - IV
RUCOGEN	WBX	750	210	> 80	-	yes	I - IV



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RUCO-LINK	RCX	490	30	> 80	-	yes	I - IV
RUCO-LINK	TIE	480	20	> 70	-	yes	I - IV
RUCO-LINK	WEB	520	< 10	> 70	-	yes	I - IV <sup>5)</sup>
RUCO-LINK	XCR	490	30	> 80	-	yes	I - IV
RUCO-LINK	XHC	880	20	> 80	-	yes	I - IV
RUCO-LINK	X-RCX	490	30	> 80	-	yes	I - IV
RUCO-LINK	XTN	410	< 10	> 70	-	yes	I - IV
RUCO-LUB	KMA 400	810	80	> 80	-	yes	I - IV
RUCO-LUB	KMK 400	880	20	> 80	-	yes	I - IV
RUCO-LUB	KMN 400	860	30	> 80	-	yes	I - IV
RUCO-LUB	KMN 600	1000	50	> 80	-	yes	I - IV
RUCO-LUB	KPM	200	20	> 80	-	yes	I - IV
RUCO-LUB	KSA	110	40	90	-	yes	I - IV
RUCO-LUB	KSV NEW	800	140	> 80	-	yes	I - IV
RUCO-LUB	KSW	110	40	> 80	-	yes	I - IV
RUCO-LUB	RSP	630	30	> 80	-	yes	I - IV
RUCON	FAC	530	20	40 - 60	< 1.0	yes	II - IV
RUCON	FAN-G	784	93	> 70	< 0.4	yes	II - IV
RUCON	FAS-G	530	20	40 - 60	< 1.0	yes	II - IV
RUCON	FEC	784	93	> 70	< 0.4	yes	II - IV
RUCON	FEF	760	40	20 - 70	-	yes	II - IV
RUCON	FND	530	70	> 70	< 0.6	yes	II - IV
RUCON	FNF	520	40	> 80	-	yes	I - IV
RUCON	X-FAC	530	20	40 - 60	< 1.0	yes	II - IV
RUCO-PHOB	PZN CONC	420	15	> 80	-	yes	I - IV
RUCO-PLAST	BO	230	< 10	> 90	-	yes	I - IV
RUCO-PLAST	HH	610	< 10	> 80	-	yes	I - IV
RUCO-PLAST	HLS	800	20	20 - 70	-	yes	I - IV
RUCO-PLAST	HPL	850	< 10	> 80	-	yes	I - IV
RUCO-PLAST	HVE	n.a.	n.a.	> 80	-	yes	depending on application conditions
RUCO-PLAST	KLH	610	< 10	> 80	-	yes	I - IV
RUCO-PLAST	PAV	n.a.	n.a.	-	-	yes	I - IV
RUCO-PLAST	PCA	n.a.	n.a.	< 60	-	yes	I - IV
RUCO-PLAST	PSM	900	< 10	> 90	-	yes	II - IV
RUCO-PLAST	PS-NET	390	20	> 70	-	yes	I - IV
RUCO-PLAST	PSP	1090	20	> 70	-	yes	II - IV
RUCO-PLAST	PVR	980	30	> 70	-	yes	II - IV
RUCO-PRINT	DDE	1980	360	> 80	-	yes	I - IV
RUCO-PRINT	FOP	n.a.	n.a.	> 80	-	yes	I - IV
RUCO-PRINT	ORF NEW	660	30	> 70	-	yes	I - IV
RUCO-PRINT	PCD	n.a.	n.a.	> 90	-	yes	I - IV
RUCO-PRINT	PCR	n.a.	n.a.	80 - 100	-	yes	I - IV
RUCO-PRINT	PMD	1050	220	> 80	-	yes	I - IV
RUCO-PRINT	PMH	280	< 10	> 40	-	yes	I - IV
RUCO-PRINT	PMI	190	< 10	< 30	-	yes	I - IV
RUCO-PRINT	PMP	80	< 10	> 30	-	yes	I - IV
RUCO-PRINT	PMS	140	< 10	< 30	-	yes	I - IV
RUCO-PRINT	PPB	n.a.	n.a.	> 70	-	yes	I - IV
RUCO-PRINT	PRP	470	10	> 80	-	yes	I - IV
RUCO-PRINT	PRV	820	150	> 90	-	yes	I - IV
RUCO-PRINT	PWG	1370	170	> 80	-	yes	I - IV
RUCO-PUR	DAF	1080	90	> 80	-	yes	I - IV
RUCO-PUR	FNH	710	50	> 70	-	yes	I - IV
RUCO-PUR	FNS	760	< 10	> 70	-	yes	I - IV
RUCO-PUR	FPC	760	10	< 50	-	yes	I - IV
RUCO-PUR	FSA	n.a.	n.a.	> 70	-	yes	I - IV
RUCO-PUR	FVH	n.a.	n.a.	> 70	-	yes	I - IV
RUCO-PUR	SEC	540	30	> 50	-	yes	I - IV
RUCO-PUR	SLK	520	10	< 10	-	yes	I - IV
RUCO-PUR	SLR	590	10	> 50	-	yes	I - IV
RUCO-PUR	SLY	630	30	> 70	-	yes	I - IV
RUCO-PUR	SPH	1015	150	> 40	-	yes	I - IV

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RUCO-PUR	X-SLR	590	10	> 50	-	yes	I - IV
RUCO-RAISE	FFH	580	160	> 70	-	yes	I - IV
RUCO-RAISE	FFW	590	110	> 80	-	yes	I - IV
RUCO-RAISE	FHP	630	30	> 80	-	yes	I - IV
RUCO-RAISE	FLP	320	100	> 80	-	yes	I - IV
RUCO-RAISE	FSP	n.a.	n.a.	> 70	-	yes	I - IV
RUCO-RAISE	PEW	710	90	> 80	-	yes	I - IV
RUCO-RAISE	PPA	570	280	> 80	-	yes	I - IV
RUCO-RAISE	PUV	550	385	> 60	-	yes	I - IV
RUCO-RAISE	ULP	380	100	> 70	-	yes	I - IV
RUCO-RAISE	USN	380	100	> 80	-	yes	I - IV
RUCORIT	BBL	n.a.	n.a.	> 80	-	yes	I - IV
RUCORIT	GOX	< 15	< 10	-	-	yes	I - IV
RUCORIT	GUR	910	300	> 90	-	yes	I - IV
RUCORIT	RAL	200	ca. 6	> 70	-	yes	I - IV
RUCORIT	RAL 250	490	14	> 70	-	yes	I - IV
RUCORIT	RAZ	520	20	> 60	-	yes	I - IV
RUCORIT	RGH	420	210	> 70	-	yes	I - IV
RUCORIT	RGI	420	210	> 70	-	yes	I - IV
RUCORIT	RSL	180	70	> 70	-	yes	I - IV
RUCORIT	SUG	770	ca. 650	> 90	-	yes	I - IV
RUCORIT	X-HYP	n.a.	n.a.	-	-	yes	I - IV
RUCOSAL	MD	610	140	> 90	-	yes	I - IV
RUCO-SHIELD	RAY	480	30	> 80	-	yes	I - IV
RUCO-STAB	FWO	200	100	> 70	-	yes	I - IV
RUCO-STAB	LGE	120	30	> 90	-	yes	I - IV
RUCO-STAB	LGL	100	30	> 90	-	yes	I - IV
RUCO-STAB	OKB	120	30	> 90	-	yes	I - IV
RUCO-STAB	OKE	210	80	> 60	-	yes	I - IV
RUCO-STAB	OKG	40	< 10	> 90	-	yes	I - IV
RUCO-STAB	OKK	190	80	> 90	-	yes	I - IV
RUCO-STAB	OKM	120	30	> 90	-	yes	I - IV
RUCO-STAB	OKS	70	< 10	> 50	-	yes	I - IV
RUCO-STAB	OKW	600	140	> 70	-	yes	I - IV
RUCOSTAR	DDD6	460	20	> 70	-	yes	II - IV <sup>3)5)</sup>
RUCOSTAR	DDW6	530	200	> 70	-	yes	II - IV <sup>3)</sup>
RUCOSTAR	EEE6	460	20	> 70	-	yes	II - IV <sup>3)5)</sup>
RUCOSTAR	EEN6	n.a.	n.a.	> 70	-	yes	II - IV <sup>3)</sup>
RUCOSTAR	EEW6	380	20	> 70	-	yes	II - IV <sup>3)</sup>
RUCO-STAT	ADM	870	30	> 80	-	yes	I - IV
RUCO-STAT	AHE	n.a.	n.a.	> 70	-	yes	I - IV
RUCO-STAT	APT	540	250	> 60	-	yes	I - IV
RUCO-STAT	ASY NEW	580	200	> 60	-	yes	I - IV
RUCO-TEX	AKN	420	130	> 70	-	yes	I - IV
RUCO-TEX	KST 150	690	80	> 70	-	yes	I - IV
RUCO-TEX	KST POWDER	1400	0	72	-	yes	I - IV
RUCO-TEX	MU	900	80	> 60	-	yes	I - IV
RUCO-TEX	MUB	240	110	> 80	-	yes	I - IV
RUCO-TEX	MUS	930	40	> 30	-	yes	I - IV
RUCO-TEX	MUS-S	1240	280	> 60	-	yes	I - IV
RUCO-TEX	NKS 150	690	80	> 70	-	yes	I - IV
RUCO-TEX	OGS	10	< 10	> 90	-	yes	I - IV
RUCO-TEX	OGX	1760	530	> 90	-	yes	I - IV
RUCO-TEX	OLI	530	110	> 70	-	yes	I - IV
RUCO-TEX	WRP	1130	390	> 60	-	yes	I - IV
RUCO-THERM	CCB	1015	140	> 40	-	yes	I - IV
RUCO-THERM	CMB	510	10	> 90	-	yes	I - IV
RUCOWET	FIN CONC	1110	20	> 80	-	yes	I - IV
RUCOWET	FN	170	80	> 90	-	yes	I - IV
RUCOWET	FRW	1800	440	> 90	-	yes	I - IV
RUCOWET	RDJ	1.030	300	> 90	-	yes	I - IV
RUCOWET	RDX	980	470	> 90	-	yes	I - IV
RUCOWET	RFF	1600	200	> 90	-	yes	I - IV



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RUCOWET	RKB	560	240	> 90	-	yes	I - IV
RUCOWET	RMB	620	270	> 90	-	yes	I - IV
RUCOWET	RMD	650	n.a.	> 90	-	yes	I - IV

### General notes

The information contained in this list is based on our current state of knowledge and is given provided that the products are applied in accordance with our recommendations in the respective Technical Leaflets. They are, however, without liability regarding property rights of third parties and foreign laws. The user should test for himself whether the product and the finished textile are suitable for his special purposes and do not exceed certain limiting values. We are, above all, not liable for fields and methods of application which have not been put down by us in writing.

This list contains only selected products of the sales range of RUDOLF GmbH Geretsried. We are happy to test any RUDOLF products that are not listed here on request. Please contact our Global Product Safety Department (details on page 1) or sales staff.

This list is dynamic and only reflects the status of the date of issue.

### Abbreviations and further description details:

APEOs Alkylphenol ethoxylates

NPEs Nonylphenol ethoxylates

**COD** Chemical Oxygen Demand [mg O<sub>2</sub>/g Product].  
The COD is a measure of the sum of all organic substances. The COD indicates the quantity of oxygen required to completely oxidise organic substances.

**BOD<sub>5</sub>** Biochemical Oxygen Demand [mg O<sub>2</sub>/g Produkt].  
The BOD is a measure of the sum of all biodegradable organic substances. The BOD<sub>5</sub> indicates the quantity of dissolved oxygen required to biodegrade organic substances within 5 days. It is one parameter to establish the degradability of a product. However, there are only few substances that are completely biodegraded after 5 days.

**COD/BOD ratio** For the experts of the sewage plant this ratio is a reference value for the biodegradability. Based on experimental values it is assumed that a COD/BOD ratio up to "2" is a sign for easily degradable waste water. The higher the ratio, the poorer the degradability. Often the COD/BOD<sub>5</sub> mistakenly is taken to evaluate the biological degradation of a chemical product. What must be considered, however, is the COD/BOD<sub>28</sub> ratio. Since hardly any substances are biodegraded after only 5 days, the biological oxygen demand after 28 days is usually much higher.

n.a. not available

#### **<sup>1)</sup> Standard 100 by OEKO-TEX<sup>®</sup>, Edition 01/2019 of 2<sup>nd</sup> January 2019 (including Appendix 6 and the accompanying Appendix 7)**

The **Standard 100 by OEKO-TEX<sup>®</sup>** refers to ready goods only. Therefore, we can only confirm that the products listed can be used for textiles - if properly used -, which will comply with the requirements of **Standard 100 by OEKO-TEX<sup>®</sup>** version 02/2018 (Including Appendix 6 and the accompanying Appendix 7).

#### **<sup>2)</sup> Product classes according to Standard 100 by OEKO-TEX<sup>®</sup> :**

<b>I</b>	baby
<b>II</b>	with direct skin contact
<b>III</b>	without direct skin contact
<b>IV</b>	decorative material

**<sup>3)</sup> Without Appendix 6 and the accompanying Appendix 7:** Suitable for Product Classes II - IV. For Product Class I Suitability must be checked under the individual application conditions on the finished textile.

**Including Appendix 6 and accompanying Appendix 7:** Suitability for Product classes I - IV must be checked under the individual application conditions on the finished textile.

**<sup>4)</sup>** This product contains low amounts of free Phenol. Compliance with Product Class I depends on the application conditions and must be checked under individual application conditions.

**<sup>5)</sup>** This product is based on a blocked aromatic polyisocyanate and may give positive detection for restricted arylamines, even though they are not added intentionally to its production recipe. Please follow carefully the application instructions in the Technical Leaflet, especially time and temperature conditions, to comply with the respective limit values on the finished textile.