



Regional Headquarters

Europe, Middle East and Africa UNIQCHEM GmbH

Hollandstrasse 7
D-48527 Nordhorn, Germany
Tel: +49 (0) 5921 853 7428
Email: eu@uniqchem.com

North, Central and South America UNIQCHEM USA

Email: us@uniqchem.com

Asia Pacific UNIQCHEM Shanghai Co., Ltd.

7876, Humin Road, room 706,
Sovereign building, Minhang district,
201102 Shanghai, China
Tel: +86 (0) 21 5433 6480
Email: asia@uniqchem.com

Additives for Automotive Coating and Car Refinish

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UNIQ® FOAM Defoamers

Product	Silicone	Polymer / Non-silicone	Main solvent	Water based	Solvent based	Characteristic	Addition level (%)	Putty	Primer / surfacer	Top coat / one coat	Base coat	Pigment concentrates	Clear coat
UNIQ®FOAM 131 S		•	PMA		•	Defoamer for clear coatings and pigmented systems, especially against micro-foam and popping. Excellent clarity and transparency	0.1-1.0			•••	•••		••
UNIQ®FOAM 132 S		•	PMA		•	Defoamer for clear coatings and pigmented systems, especially against micro-foam and popping. Excellent clarity and transparency	0.1-1.0			••	••		•••
UNIQ®FOAM 152 S		•	-		•	Defoamer for primer and high solid systems, strong micro foam destroying properties	0.1-1.0		•••	••	••		
UNIQ®FOAM 180 W		•	Butyl glycol	•		Especially for OEM/refinish basecoats to improve less sensitivity for the film thickness	0.3-3.0		•	••	•••		••
UNIQ®FOAM 245 S	•		DIBK		•	Best defoamer for spraying, roller, brushing and curtain coating applications, good working for against micro and macro-foam	0.1-0.7		•••	•••			•
UNIQ®FOAM 265 W	•		water	•		Strong defoamer for grinding conditions	0.1 ~ 0.3					•••	
UNIQ®FOAM 280 W	•		—	•	•	Very high compatibility and excellent defoaming performances	0.1-1.5			•••	••	•	••
UNIQ®FOAM 295 W	•		—	•	•	Especially suited for primers against micro-foam	0.1-1.0		•••	•••	••	••	
UNIQ®FOAM P-555		•	-		•	Defoamer for UPE car putty and gelcoats	0.1-1.0	•••					

UNIQ® SPERSE Dispersing Agents

Product	Principal component	Solid (%)	Main solvent	Amine value mgKOH/g	Acid value mgKOH/g	Water based	Solvent based	Characteristic	Putty	Primer/surfacer	Top coat / one coat	Base coat	Pigment concentrates
UNIQ®SPERSE 560 S	PU Dispersant	30	Butyl Acetate PMA / xylene	8	—		•	High performance dispersing agent for refinish/automotive. High transparency.			•••	••	••
UNIQ®SPERSE 580 U	Structured Polymer	100	—	52		•	•	High performance dispersant, suited for resin free, recommended for the dispersion of carbon black giving high jetness and high performance organic pigments, Lik Pb15:2 and PV19			•••	•••	•••
UNIQ®SPERSE 605 S	Polyester dispersant	40	Butyl Acetate	19	8		•	Excellent dispersing agent for high jetness, high transparent pigment, automotive/refinish and coil			•••	•••	•••
UNIQ®SPERSE 615 S	Polyester dispersant	40	Butyl Acetate	19	8		•	Excellent dispersing agent for high performance pigments			•••	•••	•••
UNIQ®SPERSE 630 U	Structured Polymer	100	—	40		•	•	High performance dispersant, suited for resin free, recommended for high performance organic pigments, especially where high transparency is required,			•••	•••	•••
UNIQ®SPERSE 680 U	Structured Polymer	100	—	65		•	•	Universal high performance dispersant, suited for resin free, recommended for the dispersion of carbon black and high performance organic pigments, especially red pigments, like PR177, PR179, PR254			•••	•••	•••
UNIQ®SPERSE 690 W	Block dispersant	40	Water	15	15	•		All-round dispersant agent for general purpose for water based systems. High transparency and performances			•••	•••	•••
UNIQ®SPERSE 730 U	Modified Acrylic Polymer	100	—	—	60	•	•	Excellent wetting and dispersing agents for TiO2 and fillers for primers and high performance applications	•	•••	•••	•••	••
UNIQ®SPERSE 765 S	Unsaturated Carboxylic acid	52	Alkyl benzene DIBK	—	120		•	Anti-flooding and anti-floating agent. Can be post added		••		••	
UNIQ®SPERSE P-141	Modified Acrylic Polymer	100	—	—	68	•	•	Excellent wetting and dispersing agents for TiO2 for high performance applications	•••				

UNIQ® FLOW Wetting Agents And Surface Modifiers

Product	Silicone	Acrylic	Fluor modified polymer	Solids (%)	Main solvent	Surface tension reduction	Water based	Solvent based	Addition amount (%)	Characteristic	Wettability	anti-crater	Improve leveling	Improve slip	Scratch prevention	Defoaming properties
UNIQ®FLOW 350 W			•	>98	—	••	•	•	0.1-0.5	Excellent wetting, defoaming, anti-crater and leveling performances	••	••	••			••
UNIQ®FLOW 361 S			•	>98	—	•••		•	0.01-0.5	Improved version of 360S with very high compatibility	•••	•••	•••			
UNIQ®FLOW 376 S			•	70	PMA	•		•	0.5-1.0	Improved version of 375S, faster leveling and excellent compatibility	•	•	•••			
UNIQ®FLOW 384S		•		70	PMA	•		•	0.5-1.0	Leveling agent with strong micro foam destroying properties			•			•••
UNIQ®FLOW 386 S		•		52	PMA	0		•	0.5-1.5	All-round fast leveling agent			•••			
UNIQ®FLOW 392 S		•		52	PMA	0		•	0.2-1.0	Anti-popping and anti-pinholing agent especially for PU systems			•			••
UNIQ®FLOW 415 S	•			15	Butyl acetate	••		•	0.5-1.0	Silicone leveling agent with slip properties	••	•	•••	••	•••	
UNIQ®FLOW 488 U	•			>98	—	•••	•	•	0.1-1.0	Excelent wetting agent with very low foam stabilization	•••	•••	••			
UNIQ®FLOW 493 U	•			>98	—	•••	•	•	0.05-0.3	Silicone leveling agent with very good slip	••	••	•••	•••	•••	
UNIQ®FLOW 495 U	•			>98	—	•••	•	•	0.05-0.3	Silicone leveling agent with excellent handfeeling	••	••	•••	•••	•••	•

UNIQ® VIS Rheology Control Agents And Conductivity Agents

Product	Principal Component	Active ingredient (%)	Main solvent	Water based	Solvent based	Characteristic	St addition amount (%)	Top coat / one coat	Base coat	pigment concentrate	Clear coat
UNIQ®VIS 840 W		90	water	•		Humectant, protecting for drying out pigment pastes	3.0-10.0			•	
UNIQ®VIS 880 S	Quartinary ammonium compound	54	Iso-butanol		•	Conductivity agent	0.1-2.0	•	•		•

UNIQ® LIGHT Light Stabilizers

Product	Principal Component	Active ingredients(%)	Water based	Solvent based	Characteristic	Addition amount (%)	Top coat / one coat	Clear coat
UNIQ®LIGHT 992	HALS	100	o	•	Cost effective HALS	0.5-2.0	•	•
UNIQ®LIGHT 930	Benzotriazole	100	o	•	General purpose use Light Stabilizer	1.0-3.0	•	•
UNIQ®LIGHT 940	Triazine	100		•	High performance UV absorber suited for OEM and refinish	1.0-3.0		•
UNIQ®LIGHT 951	Blend	100		•	Blend light stabilizer	1.0-3.0	•	•
UNIQ®LIGHT 960	Blend	100		•	Blend light stabilizer	1.0-3.0	•	•