

Additives for Polymer Dispersions

Product Overview



Additives for the production of polymer dispersions and rubber materials

Antifoams

Product	Chemical Base	Delivered as	Remarks	Production of						
				E-PVC	Micro-S-PVC	S-PVC	PVAc/VAE/PVOH	Acrylates	SBR/NBR-Latex	Solid SBR
TEGO® Antifoam KS 53	Vegetable oil	Concentrate	1,2,3	•	•					
TEGO® Antifoam KE 600	Polyether + siloxane	Emulsion	2,3			•				
TEGO® Antifoam 2280	Polyether + siloxane	Emulsion	1,2,3			○	•			
TEGO® Antifoam PVC 100	Polyether siloxane	Concentrate	1,2,3			•	•			
TEGO® Antifoam 2290	Paraffinic oil	Concentrate	2,3,4					•	•	
TEGO® Antifoam 2291	Paraffinic oil	Concentrate	1,2,3,4,5					•	•	
TEGO® Antifoam 1488	Polyether siloxane	Emulsion	2,3					•		
TEGO® Antifoam 4-94	Polyether siloxane	Emulsion	1,2,3				•	•		
TEGO® Antifoam 2-89	Polyether siloxane	Emulsion	2,3				○	○		
TEGO® Antifoam 2450	Vegetable Oil	Concentrate	1,2,3							•
TEGO® Antifoam 2460	Mineral Oil	Concentrate	3							•

1) EU Regulation 10/2011; 2) BfR XIV; 3) FDA 175.105; 4) FDA 175.300; 5) FDA 176.170, 176.180

• = highly recommended ○ = suitable

Emulsifiers

Product	Chemical Base	Active Content	HLB	Form
REWOPOL® SB FA 50	Disodium sulfosuccinate fatty alcohol ethoxylate	30 %	–	Liquid
REWOPOL® SB DO 75	Sodium diisooctyl sulfosuccinate	75 %	–	Liquid
TEGO® SMS	Sorbitan monostearate	100 %	5	Powder
TEGO® SHO 40	POE-(40)-sorbitol hexaoleate	100 %	10	Liquid
TEGO® SMO 80 V	POE-(20)-sorbitan monooleate	100 %	15	Liquid
TEGOMER® D 3403	Ethoxylated Polyether-1,3-Diol Reactive emulsifier for production of PU dispersions	100 %	–	Solid

Additives for water-based formulations/adhesives

Antifoams

Product	Chemical Base	Delivered as	Remarks	Formulations based on				
				Acrylates	PVAc/VAE/PVOH	SBR/NBR	PU	PF-, MF-, MUF-Resins
TEGO® Antifoam 4-94	Polyether siloxane	Emulsion	1,2,3	•	•		○	
TEGO® Antifoam 204	Polyether siloxane	Emulsion	2,3			•	•	
TEGO® Antifoam 2-80	Polyether siloxane	Emulsion	2,3				•	•
TEGO® Antifoam 2280	Polyether + siloxane	Emulsion	1,2,3		•			
TEGO® Antifoam 2291	Paraffinic oil	Concentrate	1,2,3,4,5	•		•		•
TEGO® Antifoam D 2315	Polyether siloxane	Concentrate	1,2,3	•	•			
TEGO® Antifoam 2-89	Polyether siloxane	Emulsion	2,3	○	○			
TEGO® Antifoam 1488	Polyether siloxane	Emulsion	2,3	•				
TEGO® Antifoam 2-57	Polyether siloxane	Emulsion	2,3			•		
TEGO® Antifoam 2290	Paraffinic oil	Concentrate	2,3,4	•		•		•

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Dispersing agents

Product	Chemical Base	Active Content	Ionogenicity	Pigment and Fillers
TEGOMER® DA 640	Polyether, phosphate	30 %	Anionic	Chalk, talc
TEGOMER® DA 646	Modified polyether	100 %	Nonionic	Glas or polymeric fibres, micronized fillers
TEGOMER® DA 800	Modified fatty acid derivative	100 %	Nonionic	Pigments, chalk
TEGOMER® DA 850	Polymeric nature	40 %	Nonionic	Chalk, talc, organic pigments

Thickeners

Product	Chemical Base	Active Matter	Flow Behavior	Viscosity
TEGO® Rheo 8600	Polyurethane thickener	25 %	Newtonian	~ 30.000 mPas
TEGO® Rheo 8500	Polyurethane thickener	25 %	Newtonian	~ 13.000 mPas
TEGO® Rheo 8520	Polyurethane thickener	60 %	Newtonian, high shear	~ 7.500 mPas
TEGO® Rheo 8510	Polyurethane thickener	60 %	Pseudoplastic	~ 20.000 mPas

Wetting agents

Product	Chemical Base	Foam Tendency	Surface Tension 0.1 % in water [mN/m]	
			Static*	Dynamic**
TEGOPREN® 5840	Organomodified siloxane		21	56
TEGO® Surten W 111	Alcohol alkoxylate		29	42
TEGOPREN® 5885	Organomodified siloxane		20	51

* Static: measured with bubble pressure tensiometer; bubble lifetime 5000 ms

** Dynamic: measured with bubble pressure tensiometer; bubble lifetime 20 ms

www.evonik.com/polymer-dispersions



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