

Dispex® Ultra FA 4484, Dispex® Ultra FA 4488, Dispex® Ultra PX 4522 & Dispex® Ultra PX 4525



Toolbox of dispersing agents for label-free*, universal pigment concentrates

Our toolbox supports you to achieve excellent performing and label-free* pigment concentrates. It comprises of 4 dispersing agents which:

- Allow for formulation of label-free*, universal pigment concentrates
- Comply with the requirements of the 2014 revision of the Ecolabel regulation
- Are suitable for universal use, therefore they allow for a single colorant line for water- and solvent-borne systems in-plant tinting and point-of-sale tinting
- Allow for optimum formulation of universal pigment concentrates for full range of colors

Examples of formulations for universal colorants

	TiO ₂ Kronos® 2310	Irgalite® Yellow L 1257	Bayferrox® Yellow 3920	Sicopal® Yellow L 1100	Irgazin® Red L 3670 HD	Bayferrox® Red 130M
Color Index	PW 6	PY 74	PY 42	PY 184	PR 254	PR 101
Dispex® Ultra FA 4484	2.5		2.5	7.5		9.9
Dispex® Ultra FA 4488					8.4	4.3
Dispex® Ultra PX 4522	4.0	7.50		2.5		
Dispex® Ultra PX 4525		2.70	5.0			
Loxanol® PL 5813	12.0	10.00	12.0	10.0	8.0	8.0
Water, demineralized	19.7	38.55	25.0	18.9	52.1	16.6
NaOH 25%	1.1	0.25	0.8	0.6	0.5	0.2
Pigment	60.0	40.00	54.0	60.0	30.0	60.0
FoamStar® SI 2250	0.3	0.80	0.3	0.2	0.8	0.3
Rheology modifier	0.3		0.3	0.2		0.5
Parmetol® A 26	0.1	0.20	0.1	0.1	0.2	0.2
Total	100.0	100.0	100.0	100.0	100.0	100.0

Dispersant (active) on pigment	8%	25%	10%	7%	28%	12%
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	Irgalite® Red L 3865	Heliogen® Green L 8735	Heliogen® Blue L 7085	Hostaperm® Rosa E	Hostaperm® Violet RL special	Special Black® 100
Color Index	PR 112	PG 7	PB 15:3	PR 122	PV 23	PBK 7
Dispex® Ultra FA 4484				5.0		
Dispex® Ultra FA 4488	6.4	6.8	5.3	1.0		
Dispex® Ultra PX 4522				4.0		
Dispex® Ultra PX 4525	-	2.5	5.7		8.3	6.7
Loxanol® PL 5813	10.0	10.0	10.0	8.0	8.0	8.0
Water, demineralized	42.4	49.7	47.7	45.9	44.7	53.7
NaOH 25%	0.2	0.4	0.7	0.4	1.0	1.1
ASP® 170				25.0	22.5	
Pigment	40.0	30.0	30.0	10.0	15.0	30.0
FoamStar® SI 2250	0.8	0.5	0.5	0.3	0.3	0.3
Rheology modifier				0.2		
Parmetol® A 26	0.2	0.2	0.2	0.2	0.2	0.2
Total	100.0	100.0	100.0	100.0	100.0	100.0

Dispersant (active) on pigment	16%	30%	35%	18%	20%	20%
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Characteristic Values

	Technology	Solid content (%)	Appearance	VOC (%) ISO 17895	VOC (%) ISO 11890-2	Product Label	Eco-label 2014/312/EU
Dispex® Ultra FA 4484	Anionic Surfactant	26	Clear to slightly yellowish liquid	< 0.1%	< 0.05%	H315	yes
Dispex® Ultra FA 4488	Nonionic Polymer	100	Clear to slightly yellowish liquid	< 0.1%	< 0.01%	Label-free	yes
Dispex® Ultra PX 4522	Nonionic Polymer	100	Hazy colorless viscous liquid	< 0.1%	< 0.01%	Label-free	yes
Dispex® Ultra PX 4525	Mixture of amine- and acid-functional polymers	91	Clear yellow to brownish liquid	~ 0.3%	< 1%	H302, H315 H319	yes

* No GHS pictogram on the pigment concentrate

Performance Highlights

- Allow for formulation of universal colorants
- Broad pigment application latitude
- Enable optimum pigment concentrates for full range of colorants
- Excellent compatibility in water and solvent-based systems
- Excellent storage stability

Sustainability Highlights

- Low VOC according to DIN EN ISO 17895 and ISO 11890-2¹
- APEO-free²
- Allow formulation of label-free* universal colorants
- Comply with the 2014 revision of the Ecolabel

¹ VOC content <1%

² APEO not intentionally added. Product may comprise minor traces as ubiquitously occurring impurities cannot be excluded



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