

**EDAPLAN 900 Series**  
Guide formulations for waterbased  
universal pigment concentrates

**MUNZING CHEMIE GmbH**  
Salzstraße 174  
74076 Heilbronn  
Germany  
Tel: +49 (0)7131 987 0  
Fax: +49 (0)7131 987 202  
Email: [vkfc@munzing.com](mailto:vkfc@munzing.com)  
[www.munzing.com](http://www.munzing.com)

### **EDAPLAN 900 series**

The EDAPLAN 900 product range are designed in order to disperse organic and inorganic pigments for universal use in water and solvent based systems. They are ideal for the manufacturing of coatings as well as for the manufacturing of resin free universal pigment concentrates.

In delivering form the dispersants are solvent-free, 100% active and liquid. They are soluble in water as well as in organic solvents. EDAPLAN 900-series are free of organic solvents and suited for the use in emission free applications.

Dispersing agents of the EDAPLAN 900-Series are especially suited to produce water based and binder free universal pigment concentrates which are used as tinters for water based emulsion paints and coatings as well as for solvent based alkyd systems.

EDAPLAN 900-series stabilises dispersed pigments and reduces mill-base viscosity. Gloss and colour development are improved and reflocculation respectively Rub Out is prevented.

The guide formulations in this brochure are binder free, water based pigment concentrates, which can be used as universal concentrates for water and solvent based paints.

	Hostaperm Blue AFL (Clariant)  PB15:2	Heliogen Blue L 7080 (BASF)  PB 15:3		Heliogen Blue L 7085 (BASF)  PB 15:3	Irgalite Blau NGA (Ciba)  PB 15:3	unknown supplier  PB 15:3	Heliogen Blue L 7101 F *) (BASF)  PB 15:4	Heucodur Blue 5-100 (Heubach)  PB 36
Water demin.	69,75	45,90	45,90	46,15	45,90	39,90	53,20	30,15
AGITAN 731	--	--	--	--	--	--	0,50	
DEE FO PI 45	0,50	0,50	0,50	0,50	0,50	0,50	--	0,50
Acticide MBS	0,10	0,10	0,10	0,10	0,10	0,10	0,10	0,10
<b>EDAPLAN 900</b>	<b>11,90</b>	--	--	--	--	--	--	<b>9,00</b>
<b>EDAPLAN 910</b>	--	<b>17,50</b>	--	<b>17,50</b>	<b>17,50</b>	<b>11,75</b>	<b>15,00</b>	--
<b>EDAPLAN 920</b>	--	--	<b>17,50</b>	--	--	--	--	--
NH3 (25%ig)	0,75	1,00	1,00	0,75	1,00	0,75	1,20	0,25
Pigment	17,00	35,00	35,00	35,00	35,00	47,00	30,00	60,00
<b>Total</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>
%-Dispersant in delivering form calculated on pigment	70 %	50 %	50 %	50%	50 %	25 %	50 %	15 %

\*) longer dispersing time necessary

	<b>Bayferrox 130M</b> (Lanxess) <b>PR 101</b>			<b>Iron oxide Red</b> (unknown supplier) <b>PR 101</b>	<b>Sico Fast Red L 3855</b> (BASF) <b>PR 112</b>		<b>Hostaperm Red D3G 70<sup>*)</sup></b> (Clariant) <b>PR 254</b>
Water demin	32,90	35,35	35,35	30,30	57,10	49,20	43,15
AGITAN 731	0,50	0,50	0,50	0,50	--	--	--
DEE FO PI 45	--	--	--	--	0,50	0,50	0,50
Acticide MBS	0,10	0,10	0,10	0,10	0,10	0,10	0,10
<b>EDAPLAN 900</b>	<b>6,00</b>	--	--	<b>9,00</b>	--	--	--
<b>EDAPLAN 910</b>	--	--	--	--	<b>12,00</b>	--	--
<b>EDAPLAN 915</b>	--	<b>10,60</b>	--	--	--	--	<b>21,00</b>
<b>EDAPLAN 920</b>	--	--	<b>10,60</b>	--	--	<b>14,00</b>	--
NH3 (25%ig)	0,50	0,45	0,45	0,10	0,30	1,20	--
DMEA	--	--	--	--	--	--	0,25
Pigment	60,00	53,00	53,00	60,00	30,00	35,00	35,00
<b>Total</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>
%-Dispersant in delivering form calculated on pigment	10 %	20 %	20 %	15 %	40 %	40 %	60 %

<sup>\*)</sup> waterbased concentrate with METOLAT 390 is also suitable for the use as universal tinter

	Hostaperm Violet RLspez. (Clariant)  PV 23	Eljon violet RL (ec pigments)  PV 23	Kronos 2190  (Kronos)  PW 6	Kronos 2300  (Kronos)  PW 6			Raven 420  (Columbian Chemicals) <b>Carbon Black</b>
Water demin	60,70	53,85	33,10	29,85	30,00	24,25	52,90
AGITAN 731	--	--	0,50	0,50	0,50	0,50	0,50
DEE FO 157	0,50	0,50	--	--	--	--	--
Acticide MBS	0,10	0,10	0,10	0,10	0,10	0,10	0,10
<b>EDAPLAN 900</b>	--	--	<b>6,00</b>	<b>9,00</b>	--	--	--
<b>EDAPLAN 910</b>	<b>12,50</b>	<b>15,00</b>	--	--	<b>9,00</b>	--	<b>15,00</b>
<b>EDAPLAN 920</b>	--	--	--	--	--	<b>9,75</b>	--
NH3 (25%ig)	1,20		0,30	0,55	0,40	0,40	1,50
DMEA	--	0,55	--	--	--	--	--
Pigment	25,00	30,00	60,00	60,00	60,00	65,00	30,00
<b>Total</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>
%-Dispersant in delivering form calculated on pigment	50 %	50 %	10 %	15 %	15 %	15 %	50 %

	<b>Bayferrox 915</b> (Lanxess)  <b>PY 42</b>	<b>Bayferrox 3920</b> (Lanxess)  <b>PY 42</b>			<b>Iron Oxide Yellow</b> (unknown supplier)  <b>PY 42</b>		<b>Monoazo Yellow</b> (unknown supplier) <b>PY 97</b>	<b>Sicopal Yellow L 1100</b> (BASF)  <b>PY 184</b>
Water demin	26,90	36,35	36,35	30,00	33,10	33,10	57,20	35,95
AGITAN 731	0,50	0,50	0,50	0,50	0,50	0,50	0,50	0,50
Acticide MBS	0,10	0,10	0,10	0,10	0,10	0,10	0,10	0,10
<b>EDAPLAN 900</b>	--	--	--	--	<b>11,00</b>	--	<b>7,00</b>	<b>8,25</b>
<b>EDAPLAN 910</b>	--	<b>12,50</b>	--	--	--	<b>11,00</b>	--	--
<b>EDAPLAN 915</b>	--	--	<b>12,50</b>	--	--	--	--	--
<b>EDAPLAN 920</b>	<b>16,50</b>	--	--	<b>13,75</b>	--	--	--	--
NH3 (25%ig)	1,00	0,55	0,55	0,65	0,30	0,30	0,20	0,20
Pigment	55,00	50,00	50,00	55,00	55,00	55,00	35,00	55,00
<b>Total</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>	<b>100,00</b>
%-Dispersant in delivering form calculated on pigment	30 %	25 %	25 %	25 %	20 %	20 %	20 %	15 %