

# ProductData


**MPSI**

 Mineral and Pigment  
Solutions, Inc.

## Surfactants - Phosphate Ester - Neutralized Salt



Authorized Distributor

**Advantages:**

- Gloss and Color Acceptance Promoter.
- Special Wetting and Auxiliary Dispersing Agent.
- Reduced Water Sensitivity in Dried Films.

- Compatibilizes Components in Paint Formulations.
- Anti-Corrosion Properties.

Note: Specific product application recommendations are available on request.

Product	Strodex PK-90	Strodex PK-80A	Strodex PK-95G	Strodex PK-95H	Strodex PK-0VOC
<b>Phosphate Acid Source</b>	Strodex P-100	Strodex P-100	Strodex P-100	Strodex P-100	Strodex P-100
<b>Salt Form *</b>	K	K	K	K	K
<b>Moles of EO</b>	Coester	Coester	Coester	Coester	Coester
<b>Total Activity %</b>	90 ± 2	67 ± 2	81 ± 2	81 ± 2	40 ± 2
<b>Physical Form</b>	Viscous Liquid	Clear Liquid	Clear Liquid	Clear Liquid	Clear Liquid
<b>Gardner Color</b>	2 max	4 max	2 max	2 max	2 max
<b>pH of Product 1% Solution</b>	7.5 ± 0.5	10.5 ± 0.5	7.5 ± 0.5	7.5 ± 0.5	9.2 ± 0.5
<b>Viscosity cPs at 25 °C</b>	7,000 ± 2,000	110 ± 40	1,500 ± 400	2,300 ± 500	280 ± 50
<b>Flash Point °C / °F</b>	>90 / >200	>150 / >300	>150 / >300	>150 / >300	>150 / >300
<b>Specific Gravity at 25 °C†</b>	1.12 ± 0.02	1.06 ± 0.02	1.12 ± 0.02	1.15 ± 0.02	1.09 ± 0.02
<b>Surface Tension of a 0.1% Solution dynes/cm</b>	29.8	30.1	30.5	29.9	30.5
<b>Draves % Product for 25 sec Wetting</b>	0.034	0.053	0.040	0.039	0.125
<b>Diluent **</b>	-	IP	DEG	HG	-
* K= Potassium; Na = Sodium; NH4 = Ammonium † Specific Gravity x 8.32 = Density (Pounds/gallon) ** IP = Isopropanol; DEG = Diethylene Glycol; HG = Hexylene Glycol					

Information presented herein is believed to be accurate and reliable but is not intended to meet any specification and does not imply any guarantee or warranty by Mineral and Pigment Solutions, Inc. (MPSI). For more information and assistance, contact Technical Services at 1-800-732-0562.

• Mineral and Pigment Solutions, Inc. • 1000 Coolidge St. • South Plainfield, NJ 07080 •



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### Advantages:

- Auxiliary dispersant for pigment slurries.
- Auxiliary dispersant and Wetting Agent Particularly for Pigment Slurries.

Note: Specific product application recommendations are available on request.

Product	Strodex PLF-100	Strodex MOK-70
<b>Phosphate Acid Source</b>	Phosphate Coester	Strodex MO-100
<b>Salt Form *</b>	Na	K
<b>Moles of EO</b>	Coester	–
<b>Total Activity %</b>	82 ± 3	70 ± 1
<b>Physical Form</b>	Clear Yellow Liquid	Gel
<b>Gardner Color</b>	2 max	3 max
<b>pH of Product 1% Solution</b>	5.5 ± 0.5	7.0 ± 0.5
<b>Viscosity cPs at 25 °C</b>	1,500 ± 300	7,000 ± 2,000
<b>Flash Point °C / °F</b>	>90 / >200	>50 / >120
<b>Specific Gravity at 25 °C†</b>	1.14 ± 0.02	1.14 ± 0.02
<b>Surface Tension of a 0.1% Solution dynes/cm</b>	37.1	36.9
<b>Draves % Product for 25 sec Wetting</b>	0.140	0.067
<b>Diluent **</b>	–	IP
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**Advantages:**

- High Tolerance for Multivalent Cations.
- Color Acceptance Promoter.
- Compatibilizes Components in Formulations.

Note: Specific product application recommendations are available on request.

Product	Strodex SEK-50D	Strodex PSK-28
<b>Phosphate Acid Source</b>	Strodex SE-100	Proprietary Blend
<b>Salt Form *</b>	K	K
<b>Moles of EO</b>	Coester	Blend
<b>Total Activity %</b>	50 ± 1	55 ± 2
<b>Physical Form</b>	Clear Liquid	Clear Liquid
<b>Gardner Color</b>	2 max	2 max
<b>pH of Product 1% Solution</b>	7.0 ± 0.5	7.0 ± 0.5
<b>Viscosity cPs at 25 °C</b>	100 ± 20	50 ± 10
<b>Flash Point °C / °F</b>	>90 / >200	>90 / >200
<b>Specific Gravity at 25 °C†</b>	1.04 ± 0.02	1.02 ± 0.02
<b>Surface Tension of a 0.1% Solution dynes/cm</b>	27.9	28.4
<b>Draves % Product for 25 sec Wetting</b>	0.070	0.059
<b>Diluent **</b>	HG	—
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**Advantages:**

- Gloss and Color Acceptance Promoter.
- Emulsifier for Emulsion Polymerization.
- Reduced Water Sensitivity in Dried Films

- Auxiliary Dispersant.
- Anti-Corrosion Properties.
- Compatibilizes Components in Paint Formulations.

Note: Specific product application recommendations are available on request.

Product	Dextrol OC-1025	Dextrol OC-1525	Dextrol OC-2225	Dextrol OC-50	Strodex MRK-98
<b>Phosphate Acid Source</b>	Dextrol OC-110	Dextrol OC-15	Dextrol OC-22	Dextrol OC-15	Strodex MR-100
<b>Salt Form *</b>	NH <sub>4</sub>	NH <sub>4</sub>	NH <sub>4</sub>	Partial Na	K
<b>Moles of EO</b>	4	6	9	6	6
<b>Total Activity %</b>	25 ± 1	25 ± 1	25 ± 1	90 ± 2	96 ± 2
<b>Physical Form</b>	Clear Viscous Liquid	Clear Liquid	Clear Liquid	Clear Liquid	Hazy Viscous Liquid
<b>Gardner Color</b>	3 max	3 max	3 max	2 max	4 max
<b>pH of Product 1% Solution</b>	8.0 ± 0.5	8.0 ± 0.5	8.0 ± 0.5	6.0 ± 0.5	7.0 ± 0.5
<b>Viscosity cPs at 25 °C</b>	600 ± 400	600 ± 400	600 ± 400	6000 ± 2,000	4,500 ± 1000
<b>Flash Point °C / °F</b>	>105 / >220	>90 / >200	>90 / >200	>150 / >300	>90 / >200
<b>Specific Gravity at 25 °C†</b>	1.03 ± 0.02	1.02 ± 0.02	1.02 ± 0.02	1.10 ± 0.02	1.07 ± 0.02
<b>Surface Tension of a 0.1% Solution dynes/cm</b>	31.2	31.6	37.2	33.5	31.5
<b>Draves % Product for 25 sec Wetting</b>	0.980	0.800	–	0.140	0.200
<b>Diluent **</b>	HG	HG	–	–	–

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- Gloss and Color Acceptance Promoter.
- Emulsifier for Emulsion Polymerization.
- Reduced Water Sensitivity in Dried Films
- Auxiliary Dispersant.

- Anti-Corrosion Properties.
- Compatibilizes Components in Paint Formulations.
- APE-Free Products.

Note: Specific product application recommendations are available on request.

Product	Dextrol OC-4025	Dextrol OC-6025	Dextrol OC-7525	Dextrol OC-45N	Dextrol OC-65K	Dextrol OC-78N	Dextrol OC-180
<b>Phosphate Acid Source</b>	Dextrol OC-40	Dextrol OC-60	Dextrol OC-70	Dextrol OC-40	Dextrol OC-60	Dextrol OC-70	Dextrol OC-60
<b>Salt Form *</b>	NH <sub>4</sub>	NH <sub>4</sub>	NH <sub>4</sub>	Na	K	Na	Partial K
<b>Moles of EO</b>	3	6	10	3	6	10	6
<b>Total Activity %</b>	25 ± 1	25 ± 1	25 ± 1	82 ± 2	82 ± 2	89 ± 2	45 ± 1
<b>Physical Form</b>	Clear Liquid	Clear Liquid	Clear Liquid	Clear Liquid	Clear Liquid	Clear to Hazy Liquid	Clear Liquid
<b>Gardner Color</b>	3 max	3 max	3 max	4 max	4 max	4 max	6 max
<b>pH of Product 1% Solution</b>	8.0 ± 0.5	8.0 ± 0.5	8.0 ± 0.5	6.8 ± 0.5	6.8 ± 0.5	6.8 ± 0.5	6.0 ± 0.5
<b>Viscosity cPs at 25 °C</b>	600 ± 400	600 ± 400	600 ± 400	8,600 ± 2,000	1,200 ± 200	15,000 ± 5,000	2,000 ± 300
<b>Flash Point °C / °F</b>	>90 / >200	>90 / >200	>90 / >300	>90 / >200	>90 / >200	>150 / >300	>90 / >200
<b>Specific Gravity at 25 °C†</b>	1.02 ± 0.02	1.02 ± 0.02	1.02 ± 0.02	1.08 ± 0.02	1.12 ± 0.02	1.10 ± 0.02	1.04 ± 0.02
<b>Surface Tension of a 0.1% Solution dynes/cm</b>	28.2	29.7	32.0	28.7	30.1	39.5	30.1
<b>Draves % Product for 25 sec Wetting</b>	0.410	0.380	0.810	0.100	0.141	0.081	0.200
<b>Diluent **</b>	HG	–	–	HG	HG	–	–

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