



# Polyester Diols

A comprehensive range of polyester diols that can be customized with flexibility and responsiveness

Formulators can achieve specific properties geared to the final application with our broad range of high-performance aliphatic polyester polyols for the synthesis of high-quality coatings, adhesives and polyurethane elastomers. SONGSTAR™ polyester polyols can be tailor made to meet various - including highly demanding - requirements.

It's all about **the chemistry™**



# Polyester Diols



Polyester diols are base materials that allow formulators to produce high-quality polyurethane products.

	Material Formation: Dibasic Acid	Material Formation: Glycol	Molecular Weight	Viscosity (cps/75°C)	Acid Value (mg KOH/g)
<b>SONGSTAR™ SS-106/106S</b> Poly(1,4-butylen adipate) CAS NO. 25103-87-1 VL (30°C~ 50°C) 'S' Grade: Thermoplastic polyurethane	Adipic acid	Butanediol	950 ~ 1050	140 ~ 200	< 0.5
<b>SONGSTAR™ SS-206/206S</b> Poly(1,4-butylen adipate) CAS NO. 25103-87-1 VL (30°C~ 50°C) 'S' Grade: Thermoplastic polyurethane	Adipic acid	Butanediol	1900 ~ 2100	650 ~ 800	< 0.3
<b>SONGSTAR™ SS-306/306S</b> Poly(1,4-butylen adipate) CAS NO. 25103-87-1 VL (30°C ~ 50°C) 'S' Grade: Thermoplastic polyurethane	Adipic acid	Butanediol	2700 ~ 3300	700 ~ 2000	< 1.0
<b>SONGSTAR™ SS-20N</b> Poly(neopentylene adipate) CAS NO. 27925-07-1 VL (10°C ~ 40°C)	Adipic acid	Neopentanediol	1900 ~ 2250	850 ~ 1200	< 1.0

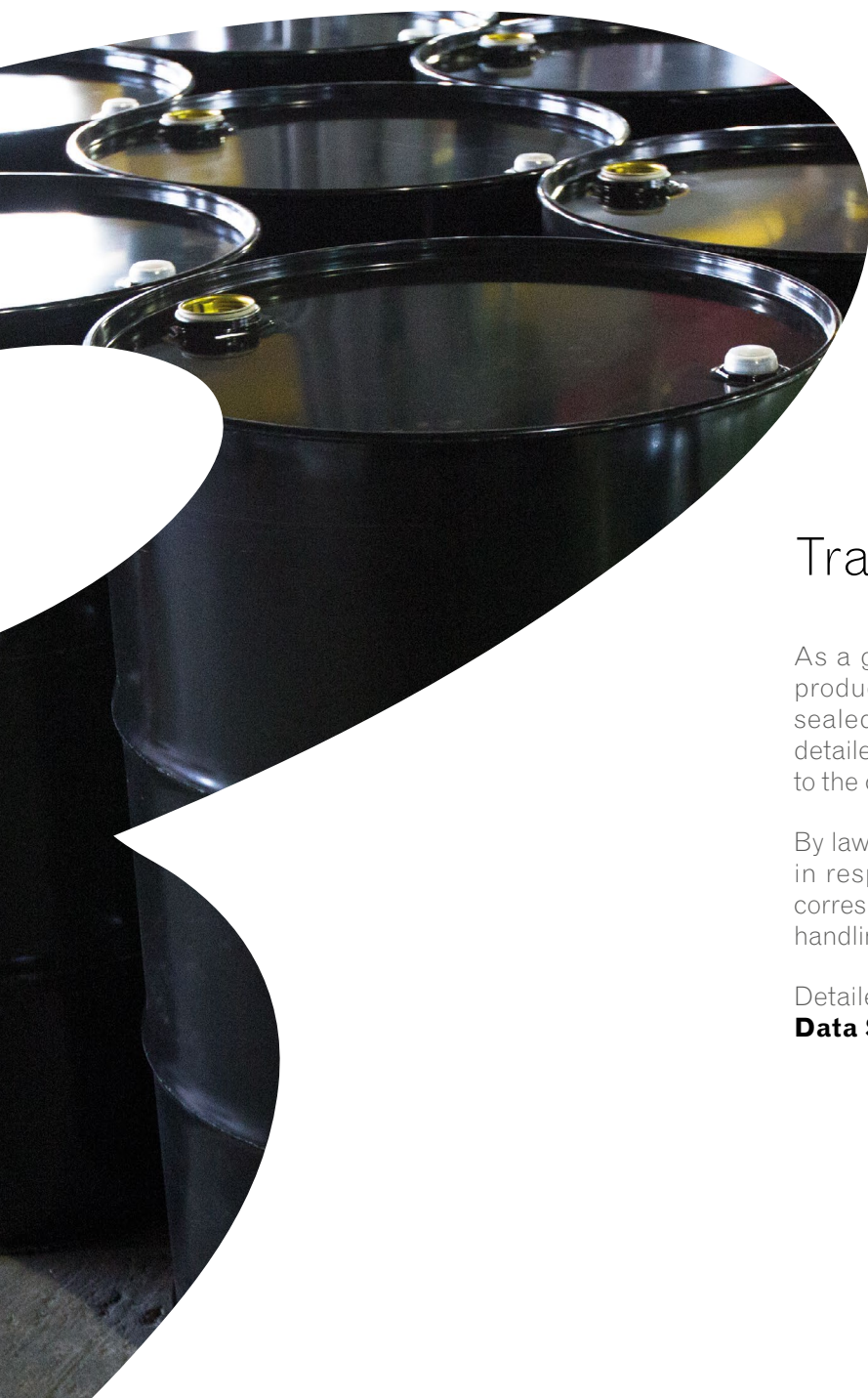
	Material Formation: Dibasic Acid	Material Formation: Glycol	Molecular Weight	Viscosity (cps/75°C)	Acid Value (mg KOH/g)
<b>SONGSTAR™ SS-30N</b> Poly(neopentylene adipate) CAS NO. 27925-07-1 VL (10°C ~ 40°C)	Adipic acid	Neopentanediol	2700~3300	1800~2300	< 1.0
<b>SONGSTAR™ SS-208</b> Poly(1,6-hexanediol adipate) CAS NO. 25212-06-0 VL (30°C~ 50°C)	Adipic acid	1,6-hexanediol	1850 ~ 2150	500 ~ 700	< 1.0
<b>SONGSTAR™ SS-1046</b> Poly(1,4-butylene ethylene adipate) CAS NO. 26570-73-0 VL (30°C~ 45°C)	Adipic acid	Ethylene glycol Butandiol	950 ~ 1050	140 ~ 200	< 0.5
<b>SONGSTAR™ SS-2046</b> Poly(1,4-butylene ethylene adipate) CAS NO. 26570-73-0 VL (30°C~ 45°C)	Adipic acid	Ethylene glycol Butandiol	1850 ~ 2150	500 ~ 800	< 0.5
<b>SONGSTAR™ SS-107</b> Poly(diethylene glycol adipate) CAS NO. 9010-89-3 VL (10°C ~ 40°C)	Adipic acid	Diethylene glycol	950 ~ 1050	100 ~ 180	< 0.5
<b>SONGSTAR™ SS-207</b> Poly(diethylene glycol adipate) CAS NO. 9010-89-3 VL (10°C ~ 40°C)	Adipic acid	Diethylene glycol	1850 ~ 2150	350 ~ 540	< 0.5
<b>SONGSTAR™ SS-204</b> Poly(ethylene adipate) CAS NO. 24938-37-2 VL (10°C ~ 40°C)	Adipic acid	Ethylene glycol	1850 ~ 2150	450 ~ 650	< 0.5
<b>SONGSTAR™ SS-205</b> Poly(propylene glycol adipate) CAS NO. 25101-03-05 VL (10°C ~ 40°C)	Adipic acid	1,2-propanediol	1850 ~ 2150	400 ~ 600	< 0.3
<b>SONGSTAR™ SS-1047</b> Poly(ethylene glycol diethylene glycol adipate) CAS NO. 25214-18-0 VL (10°C ~ 40°C)	Adipic acid	Ethylene glycol Diethylene glycol	950 ~ 1050	140 ~ 220	< 0.5
<b>SONGSTAR™ SS-2047</b> Poly(ethylene glycol diethylene glycol adipate) CAS NO. 25214-18-0 VL (10°C~ 40°C)	Adipic acid	Ethylene glycol Diethylene glycol	1850 ~ 2150	400 ~ 600	< 0.5

# Standard Packaging

- **Polyester Diols:** 200 kg Steel Drum

## Key to Abbreviations of Physical Forms

- |                        |                               |                                 |                             |
|------------------------|-------------------------------|---------------------------------|-----------------------------|
| • <b>PW:</b> Powder    | • <b>DW:</b> Dispersion       | • <b>BD:</b> Beads              | • <b>GR:</b> Granule        |
| • <b>SB:</b> Semi Bead | • <b>MB:</b> Micro Beads      | • <b>DF:</b> Dust Free Flow     | • <b>FG:</b> Fine Grind     |
| • <b>SL:</b> Solid     | • <b>FC:</b> Fusion Crystal   | • <b>CP:</b> Crystalline Powder | • <b>VL:</b> Viscous Liquid |
| • <b>FF:</b> Free Flow | • <b>LQ:</b> Liquid or Molten | • <b>PS:</b> Pastilles          |                             |



## Transport and Storage

As a general guideline, we recommend storing the products mentioned in this brochure in their original sealed containers in a cold and dry place. For more detailed information on a specific product, please refer to the corresponding **Technical Data Sheet**.

By law, a number of chemical products must be labeled in respect of transport, storage and handling. Thus corresponding care is a prerequisite for their appropriate handling. Furthermore, local legal regulations may apply.

Detailed information is given in the respective **Safety Data Sheets**.



# About SONGWON Industrial Group

A leader in the development, production and supply of specialty chemicals, SONGWON's products touch your life every day, everywhere. Since 1965, we've been driving innovation, partnering for progress and paving the way for a better more sustainable tomorrow with 360° customized solutions.

Headquartered in South Korea, SONGWON is the 2<sup>nd</sup> largest manufacturer of polymer stabilizers worldwide. With Group companies and world-class manufacturing facilities across the globe, we are dedicated to providing customers in over 60 countries with high-performance products that meet their individual needs and the best levels of service.

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**[www.songwon.com](http://www.songwon.com)**

[tpp@songwon.com](mailto:tpp@songwon.com)

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