

A high-speed photograph of water splashing, creating a dynamic and energetic background. The water is captured in mid-air, with numerous droplets and a main stream of water falling from the top right towards the bottom left. The background is a solid, vibrant blue.

# Polyester Diols

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

# 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-butylene 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-butylene 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-butylene 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
<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

	Material Formation: Dibasic Acid	Material Formation: Glycol	Molecular Weight	Viscosity (cps/75°C)	Acid Value (mg KOH/g)
<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

# Specifications overview

## Standard Packaging

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

## Key to Abbreviations of Physical Forms

- |                                 |                               |                          |                          |
|---------------------------------|-------------------------------|--------------------------|--------------------------|
| ▪ <b>BD:</b> Beads              | ▪ <b>FF:</b> Free Flow        | ▪ <b>MB:</b> Micro Beads | ▪ <b>SB:</b> Semi Bead   |
| ▪ <b>CP:</b> Crystalline Powder | ▪ <b>GR:</b> Granule          | ▪ <b>PS:</b> Pastilles   | ▪ <b>WB:</b> Water Based |
| ▪ <b>DW:</b> Dispersion         | ▪ <b>LQ:</b> Liquid or Molten | ▪ <b>PW:</b> Powder      |                          |

## 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

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# SONGWON INDUSTRIAL GROUP



For further information, please contact:

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

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