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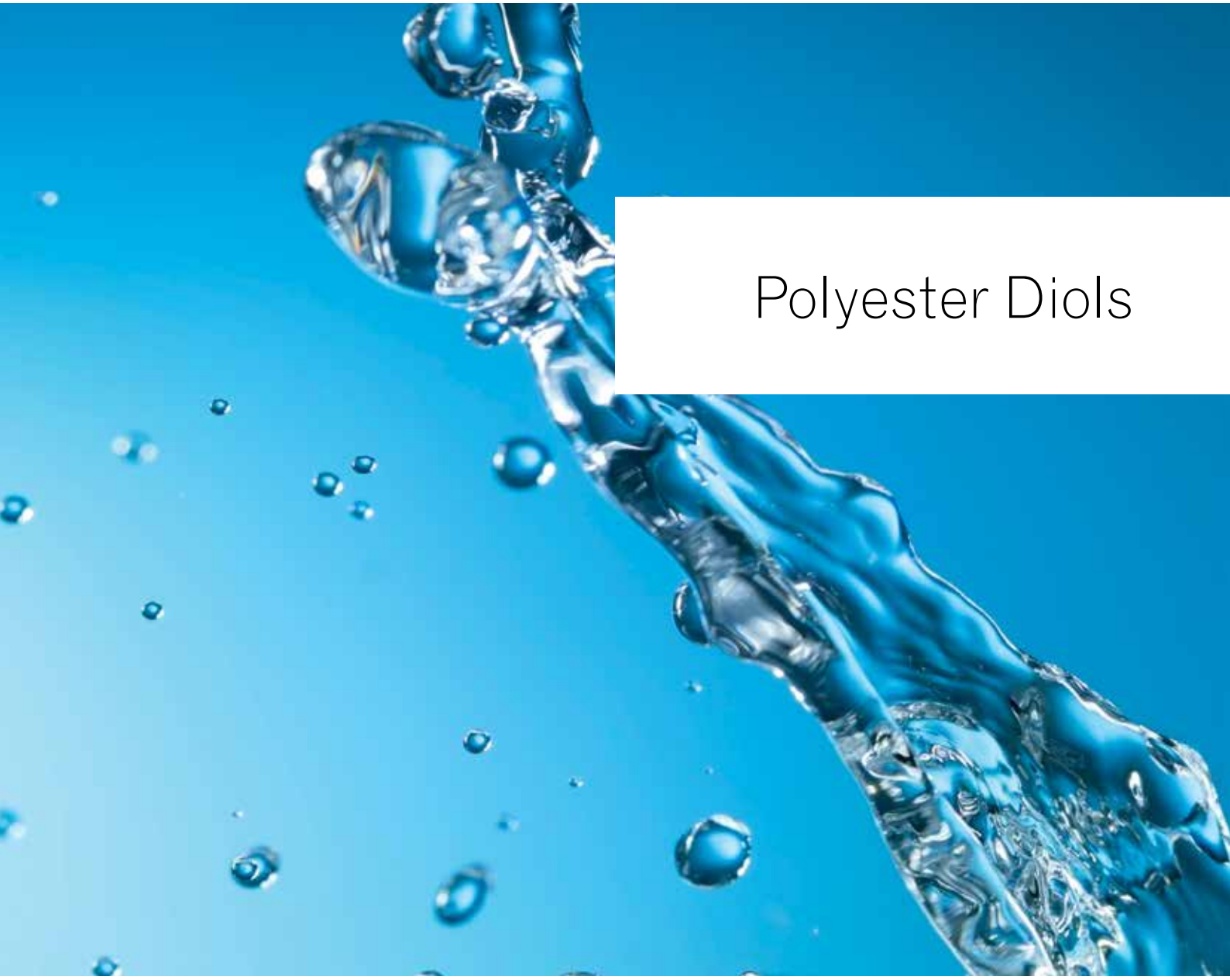

# Polyester Diols

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

It's all about **the chemistry®**

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# 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) |
|---|---|---|---|---|---|
| **SONGSTAR™ SS-106/106S**<br>Poly(1,4-butylene adipate)<br>CAS NO. 25103-87-1<br>VL (30°C~ 50°C)<br>'S' Grade: Thermoplastic polyurethane | Adipic acid | Butanediol | 950 ~ 1050 | 140 ~ 200 | < 0.5 |
| **SONGSTAR™ SS-206/206S**<br>Poly(1,4-butylene adipate)<br>CAS NO. 25103-87-1<br>VL (30°C~ 50°C)<br>'S' Grade: Thermoplastic polyurethane | Adipic acid | Butanediol | 1900 ~ 2100 | 650 ~ 800 | < 0.3 |
| **SONGSTAR™ SS-306/306S**<br>Poly(1,4-butylene adipate)<br>CAS NO. 25103-87-1<br>VL (30°C ~ 50°C)<br>'S' Grade: Thermoplastic polyurethane | Adipic acid | Butanediol | 2700 ~ 3300 | 700 ~ 2000 | < 1.0 |
| **SONGSTAR™ SS-20N**<br>Poly(neopentylene adipate)<br>CAS NO. 27925-07-1<br>VL (10°C ~ 40°C) | Adipic acid | Neopentanediol | 1900 ~ 2250 | 850 ~ 1200 | < 1.0 |
| **SONGSTAR™ SS-30N**<br>Poly(neopentylene adipate)<br>CAS NO. 27925-07-1<br>VL (10°C ~ 40°C) | Adipic acid | Neopentanediol | 2700~3300 | 1800~2300 | < 1.0 |
| **SONGSTAR™ SS-208**<br>Poly(1,6-hexanediol adipate)<br>CAS NO. 25212-06-0<br>VL (30°C~ 50°C) | Adipic acid | 1,6-hexanediol | 1850 ~ 2150 | 500 ~ 700 | < 1.0 |
| **SONGSTAR™ SS-1046**<br>Poly(1,4-butylene ethylene adipate)<br>CAS NO. 26570-73-0<br>VL (30°C~ 45°C) | Adipic acid | Ethylene glycol<br>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) |
|---|---|---|---|---|---|
| **SONGSTAR™ SS-2046**<br>Poly(1,4-butylene ethylene adipate)<br>CAS NO. 26570-73-0<br>VL (30°C~ 45°C) | Adipic acid | Ethylene glycol<br>Butandiol | 1850 ~ 2150 | 500 ~ 800 | < 0.5 |
| **SONGSTAR™ SS-107**<br>Poly(diethylene glycol adipate)<br>CAS NO. 9010-89-3<br>VL (10°C ~ 40°C) | Adipic acid | Diethylene glycol | 950 ~ 1050 | 100 ~ 180 | < 0.5 |
| **SONGSTAR™ SS-207**<br>Poly(diethylene glycol adipate)<br>CAS NO. 9010-89-3<br>VL (10°C ~ 40°C) | Adipic acid | Diethylene glycol | 1850 ~ 2150 | 350 ~ 540 | < 0.5 |
| **SONGSTAR™ SS-204**<br>Poly(ethylene adipate)<br>CAS NO. 24938-37-2<br>VL (10°C ~ 40°C) | Adipic acid | Ethylene glycol | 1850 ~ 2150 | 450 ~ 650 | < 0.5 |
| **SONGSTAR™ SS-205**<br>Poly(propylene glycol adipate)<br>CAS NO. 25101-03-05<br>VL (10°C ~ 40°C) | Adipic acid | 1,2-propanediol | 1850 ~ 2150 | 400 ~ 600 | < 0.3 |
| **SONGSTAR™ SS-1047**<br>Poly(ethylene glycol diethylene glycol adipate)<br>CAS NO. 25214-18-0<br>VL (10°C ~ 40°C) | Adipic acid | Ethylene glycol<br>Diethylene glycol | 950 ~ 1050 | 140 ~ 220 | < 0.5 |
| **SONGSTAR™ SS-2047**<br>Poly(ethylene glycol diethylene glycol adipate)<br>CAS NO. 25214-18-0<br>VL (10°C~ 40°C) | Adipic acid | Ethylene glycol<br>Diethylene glycol | 1850 ~ 2150 | 400 ~ 600 | < 0.5 |

# Specifications overview

## Standard Packaging

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

## Key to Abbreviations of Physical Forms

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

## 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.**

# SONGWON INDUSTRIAL GROUP

## About SONGWON

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 one of the 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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