



# SPECIFIC POLYMERS

POLYMERS | MONOMERS | BUILDING-BLOCKS

## R&D PRODUCTS PORTFOLIO

### Dental



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## SPECIFIC POLYMERS OVERVIEW

SPECIFIC POLYMERS (2003, Castries - FRANCE) is a SME acting as R&D services' provider in the field of functional monomers, polymers, coatings and materials with enhanced performances. For many years, major industrial groups and academic laboratories worldwide have relied on our technical skills to validate proof-of-concepts. The company's main purpose is to fill the gap between academic and industrial researches through our complete offer of R&D products and services. As a design office, our strength lies in the diversity of our knowledge, activities and application fields which contribute to our capacity to provide crossfertilization and breakthrough innovations.

Since its inception, SPECIFIC POLYMERS has already designed more than 10 000 innovative molecules for over 500 customers and partners in more than 50 countries. The products and programs developed are used for a very wide range of applications such as surface finishing (glass, metal, metal oxides, nanoparticles, plastics), construction industry, aeronautic, automotive (paint, pneumatics, sealant, gaskets), pharmaceutical industry, cosmetics, optoelectronic, optic, water treatment, metal extraction or energy (fuel cells, solar cells or lithium batteries).

*Please avoid printing out and/or throwing away this product portfolio to preserve the environment. Foster the online version.*

*In spite of all efforts deployed by SPECIFIC POLYMERS, we cannot guarantee that the information on this portfolio is up-to-date, correct and complete. In case of doubt, don't hesitate to contact us for more information.*

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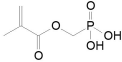
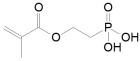
SP-1P-7-PEO/PPO VINYL / ALLYL / ACRYL / METHACRYL

### **SP-4P-POLY(METH)ACRYLATE**

SP-4P-1-POLY(METH)ACRYLATE PHOSPHONIC ESTER / ACID

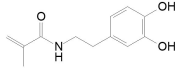
# **BUILDING BLOCKS & MONOMERS PORTFOLIO**

## SP-41-PHOSPHONIC ACRYLATE - METHACRYLATE

<p><b>Reference:</b> <b>SP-41-007</b></p>	<p><b>Product Name:</b> MAPC1 Acid <b>CAS Number:</b> 87243-97-8 <b>Physical Aspect:</b> Clear liquid that can crystallize after storage at 4°C <b>Mw:</b> 180.10 <b>Batch size:</b> 5g ; 10g ; Bulk on demand For further information, access the <a href="#">product page here &gt;</a></p>	
<p><b>Reference:</b> <b>SP-41-016</b></p>	<p><b>Product Name:</b> MAPC2 Acid <b>CAS Number:</b> 80730-17-2 <b>Physical Aspect:</b> Slightly yellow viscous liquid <b>Mw:</b> 194.12 <b>Batch size:</b> 5g ; 10g ; 25g ; Bulk on demand For further information, access the <a href="#">product page here &gt;</a></p>	

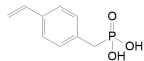
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## SP-43-3-HYDROXY / ALKOXY (METH)ACRYLATE - (METH)ACRYLAMIDE

<b>Reference:</b> <b>SP-43-3-008</b>	<b>Product Name:</b> DMAAm <b>CAS Number:</b> 471915-89-6 <b>Physical Aspect:</b> Beige powder <b>Mw:</b> 221.25 <b>Batch size:</b> 5g ; 10g ; 25g ; Bulk on demand For further information, access the <a href="#">product page here &gt;</a>	 <chem>CC(=C)C(=O)NCCc1ccc(O)c(O)c1</chem>
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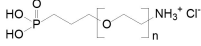
## SP-51-PHOSPHONIC STYRENE

<b>Reference:</b> <b>SP-51-003</b>	<b>Product Name:</b> STYPHOS Acid <b>CAS Number:</b> 53459-43-1 <b>Physical Aspect:</b> White powder <b>Mw:</b> 198.16 <b>Batch size:</b> 5g ; 10g ; 25g ; 50g ; Bulk on demand For further information, access the <a href="#">product page here &gt;</a>	 <p>The image shows the chemical structure of Styphos Acid, which is 4-(vinylphenyl)phosphonic acid. It consists of a benzene ring with a vinyl group (-CH=CH<sub>2</sub>) at the para position and a phosphonic acid group (-CH<sub>2</sub>-P(=O)(OH)<sub>2</sub>) at the other para position.</p>
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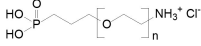
# FUNCTIONAL POLYMERS PORTFOLIO

## SP-1P-1-PEO/PPO PHOSPHONIC OR PHOSPHINIC ACID /ESTER

<p><b>Reference:</b> <b>SP-1P-14-001</b></p>	<p><b>Product Name:</b> Poly(ethylene glycol), <math>\alpha</math>-ammonium chloride, <math>\omega</math>-phosphonic acid</p> <p><b>CAS Number:</b> N/D</p> <p><b>Physical Aspect:</b> Yellow Wax to powder</p> <p><b>Batch size:</b> 5g ; 10g ; Bulk on demand</p> <p><b>Mn and/or Composition available</b> in the <a href="#">product page here &gt;</a></p>	
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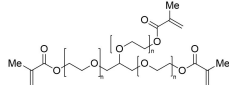
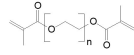
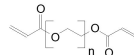
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## SP-1P-14-AMINO PEO/PPO PHOSPHONIC AND PRECURSORS

<b>Reference:</b> <b>SP-1P-14-001</b>	<b>Product Name:</b> Poly(ethylene glycol), $\alpha$ -ammonium chloride, $\omega$ -phosphonic acid <b>CAS Number:</b> N/D <b>Physical Aspect:</b> Yellow Wax to powder <b>Batch size:</b> 5g ; 10g ; Bulk on demand <b>Mn and/or Composition available</b> in the <a href="#">product page here &gt;</a>	
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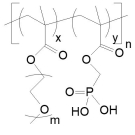
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## SP-1P-7-PEO/PPO VINYL / ALLYL / ACRYL / METHACRYL

<p><b>Reference:</b> <b>SP-1P-7-014_B8</b></p>	<p><b>Product Name:</b> Biobased Glycerin ethoxylate trimethacrylate</p> <p><b>CAS Number:</b> N/D</p> <p><b>Physical Aspect:</b> Orange to brown liquid</p> <p><b>Batch size:</b> 5g ; 10g ; 25g ; Bulk on demand</p> <p><b>Mn and/or Composition available</b> in the <a href="#">product page here &gt;</a></p>	 <p>The structure shows a glycerol backbone with three ethoxylate chains (indicated by 'n' in brackets) and three methacrylate end groups. The methacrylate groups are shown as -O-C(=O)-C(CH3)=CH2.</p>
<p><b>Reference:</b> <b>SP-1P-7-012_B9</b></p>	<p><b>Product Name:</b> Biobased Poly(ethylene glycol), <math>\alpha,\omega</math>-bis(methacrylate)</p> <p><b>CAS Number:</b> 25852-47-5</p> <p><b>Physical Aspect:</b> Light yellow wax</p> <p><b>Batch size:</b> 5g ; 10g ; Bulk on demand</p> <p><b>Mn and/or Composition available</b> in the <a href="#">product page here &gt;</a></p>	 <p>The structure shows a poly(ethylene glycol) chain with two methacrylate end groups attached to the terminal oxygen atoms. The methacrylate groups are shown as -O-C(=O)-C(CH3)=CH2.</p>
<p><b>Reference:</b> <b>SP-1P-7-013_B9</b></p>	<p><b>Product Name:</b> Biobased Poly(ethylene glycol), <math>\alpha,\omega</math>-bis(acrylate)</p> <p><b>CAS Number:</b> 26570-48-9</p> <p><b>Physical Aspect:</b> Orange to brown wax</p> <p><b>Batch size:</b> 5g ; 10g ; Bulk on demand</p> <p><b>Mn and/or Composition available</b> in the <a href="#">product page here &gt;</a></p>	 <p>The structure shows a poly(ethylene glycol) chain with two acrylate end groups attached to the terminal oxygen atoms. The acrylate groups are shown as -O-C(=O)-CH=CH2.</p>

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## SP-4P-1-POLY(METH)ACRYLATE PHOSPHONIC ESTER / ACID

<b>Reference:</b> <b>SP-4P-1-011</b>	<b>Product Name:</b> Poly(PEGMA-stat-MAPC1 Acid) <b>CAS Number:</b> N/D <b>Physical Aspect:</b> White powder <b>Batch size:</b> 5g ; 10g ; 25g ; Bulk on demand <b>Mn and/or Composition available</b> in the <a href="#">product page here &gt;</a>	
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