



SUSTAINABLE CHEMICALS CATALOG

2017

SPECIFIC POLYMERS OVERVIEW:

SPECIFIC POLYMERS is a company specialized in the synthesis of polymer additives bearing heteroelements; mainly phosphorus, silicon and fluorine. Our products are intended for research laboratories in surface modifications (glass, metals, metal oxides, nanoparticles, plastics, etc.) for applications in pharmaceuticals, cosmetics, water treatment, metal extraction, concrete, adhesion, anticorrosion, etc.

Using our expertise in the field of polymer chemistry, especially in the chemistry of phosphorus, silicon and phosphorus, we propose novel polymers which are often supplied exclusively by our company.

These polymers present physico-chemical properties such as:

- Adhesion onto metal, anticorrosion, complexation of heavy metals, fire-proofing, etc.
- Hydrophoby – Oleophoby – Chemical inertness – Thermal stability, etc.

Our services including also custom synthesis and research contract provide our specific expertise on functional polymers to support Research programs.



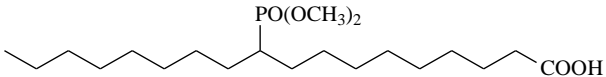
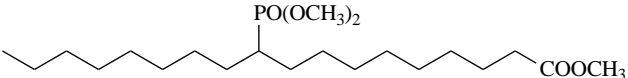
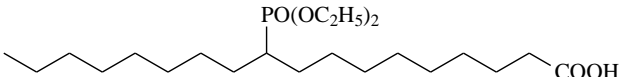
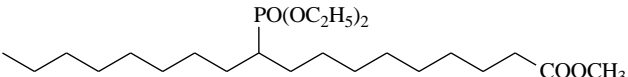
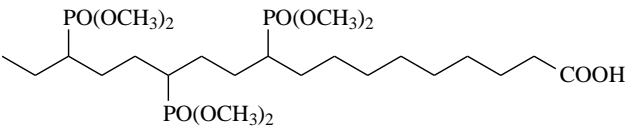
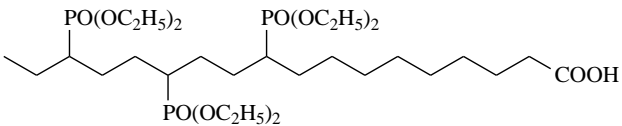
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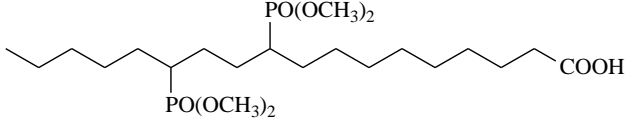
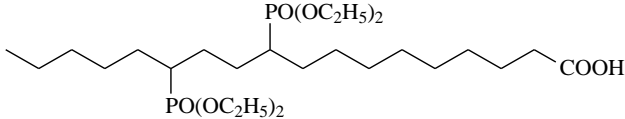
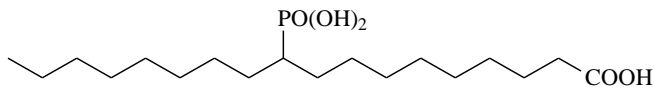
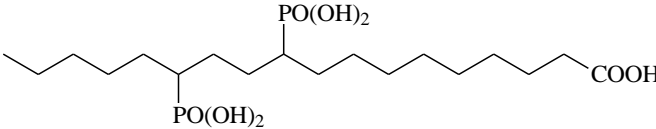
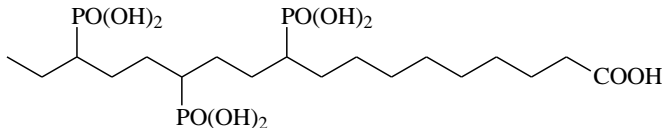
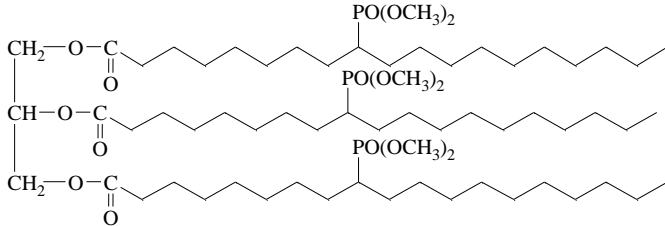
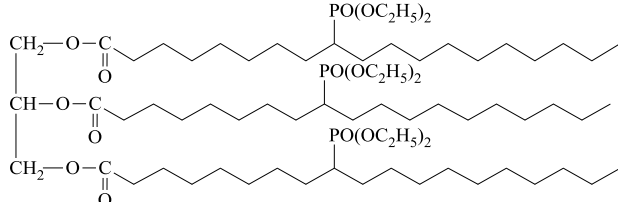


SUSTAINABLE ALKYL CHEMICALS

□ SP-3S-10- SUSTAINABLE ALKYL PHOSPHONIC CARBOXYLIC ACID

SP-3S-10-001	Oleic Acid Phosphonic Ester ME [not identified] C ₂₀ H ₄₁ O ₅ P Mw=392.52	
SP-3S-10-002	Oleic Methyl Ester Phosphonic Ester ME [not identified] C ₂₁ H ₄₃ O ₅ P Mw=406.54	
SP-3S-10-003	Oleic Acid Phosphonic Ester ET [not identified] C ₂₂ H ₄₅ O ₅ P Mw=420.57	
SP-3S-10-004	Oleic Methyl Ester Phosphonic Ester ET [not identified] C ₂₃ H ₄₇ O ₅ P Mw=434.60	
SP-3S-10-005	Linolenic Acid Phosphonic Ester ME [not identified] C ₂₄ H ₅₁ O ₁₁ P ₃ Mw=608.58	
SP-3S-10-006	Linolenic Acid Phosphonic Ester ET [not identified] C ₃₀ H ₆₃ O ₁₁ P ₃ Mw= 692.74	



SP-3S-10-007	Linoleic Acid Phosphonic Ester ME <i>[not identified]</i> $C_{22}H_{46}O_8P_2$ Mw= 500.55	
SP-3S-10-008	Linoleic Acid Phosphonic Ester ET <i>[not identified]</i> $C_{26}H_{54}O_8P_2$ Mw= 556.66	
SP-3S-10-009	Oleic Acid Phosphonic Acid <i>[not identified]</i> $C_{20}H_{41}O_5P$ Mw=392.52	
SP-3S-10-010	Linoleic Acid Phosphonic Acid <i>[60-33-3]</i> $C_{18}H_{38}O_8P_2$ Mw= 444.44	
SP-3S-10-011	Linolenic Acid Phosphonic Acid <i>[403.40.1]</i> $C_{18}H_{39}O_{11}P_3$ Mw=524.42	
SP-3S-10-012	Oleic Oil Phosphonic Ester ME <i>[Not identified]</i> $C_{66}H_{131}O_{15}P_3$ Mw=1257.68	
SP-3S-10-013	Oleic Oil Phosphonic Ester ET <i>[Not identified]</i> $C_{72}H_{143}O_{15}P_3$ Mw=1341.84	

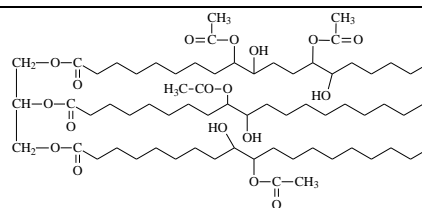


▣ **SP-3S-30- SUSTAINABLE POLYOLS**

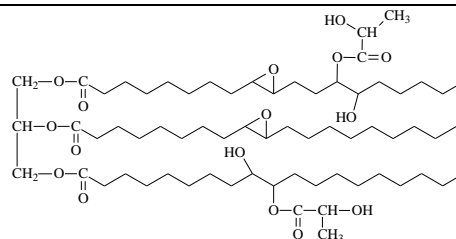
SP-3S-30-001 Biobased Polyol
[not identified]

THIS STRUCTURE IS CONFIDENTIAL
PLEASE CONTACT US FOR MORE INFORMATIONS

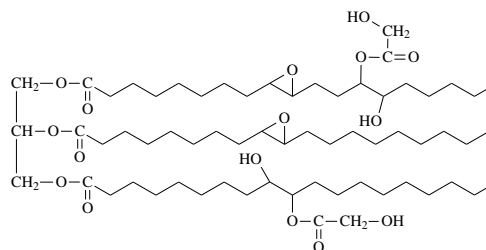
SP-3S-30-002 Hydroxylated Soybean Oil Acetic
[not identified]



SP-3S-30-003 Hydroxylated Soybean Oil Lactic
[not identified]

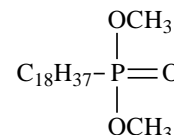


SP-3S-30-004 Hydroxylated Soybean Oil Glycolic
[not identified]



▣ **SP-31-SUSTAINABLE ALKYL PHOSPHONIC**

SP-31-016 Stearyl Phosphonic Ester ME
[25371-54-4]
C₂₀H₄₃O₃P
Mw=362.53





SP-31-024	Stearyl Phosphonic Ester ET [16165-72-3] $C_{22}H_{47}O_3P$ Mw=390.58	$ \begin{array}{c} OC_2H_5 \\ \\ C_{18}H_{37}-P=O \\ \\ OC_2H_5 \end{array} $
SP-31-015	Palmityl Phosphonic Ester ME [4721-17-9] $C_{18}H_{39}O_3P$ Mw=334.47	$ \begin{array}{c} OCH_3 \\ \\ C_{16}H_{32}-P=O \\ \\ OCH_3 \end{array} $
SP-31-023	Palmityl I Phosphonic Ester ET [16165-71-2] $C_{20}H_{43}O_3P$ Mw=362.53	$ \begin{array}{c} OC_2H_5 \\ \\ C_{16}H_{32}-P=O \\ \\ OC_2H_5 \end{array} $

SUSTAINABLE MONOMERS AND POLYMERS

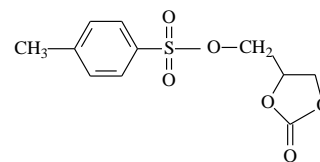
□ SP-68- FUNCTIONAL SUSTAINABLE MONOMERS

SP-68-001	Allyl 3,4,5-trihydroxybenzoate [125740-31-0] $C_{10}H_{10}O_5$ Mw= 210.18	
SP-68-002	Gallic Tetra carboxylic acid [Not identified] $C_{27}H_{38}O_{13} S_4$ Mw= 698.85	
SP-68-003	Gallic Tetra Allyl [1407185-08-3] $C_{19}H_{22}O_5$ Mw= 330.38	



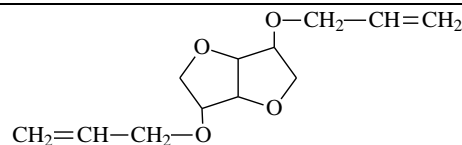
SP-68-004

Glycerol Carbonate Tosyl End Group
 [949895-84-5]
 $C_{11}H_{12}O_6S$
 Mw= 272.28



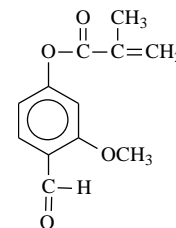
SP-68-005

Isosorbide Bis Allyl
 [942279-50-7]
 $C_{12}H_{18}O_4$
 Mw= 226.27



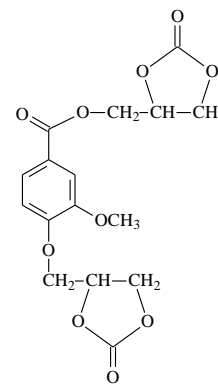
SP-68-013

Vanillin Methacrylate
 [Not identified]
 $C_{12}H_{12}O_4$
 Mw= 220.22



SP-68-014

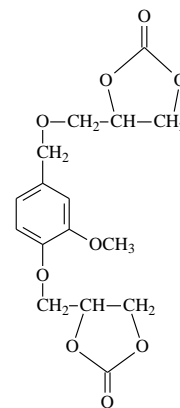
Vanillic Acid Bis Carbonate
 [1584677-16-6]
 $C_{16}H_{16}O_{10}$
 Mw= 368.30





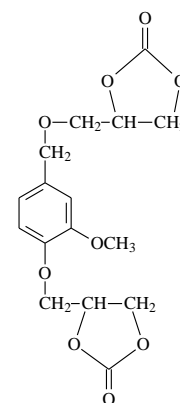
SP-68-015

Vanillin Bis Carbonate
 [1584677-17-7]
 $C_{16}H_{18}O_9$
 Mw= 354.31



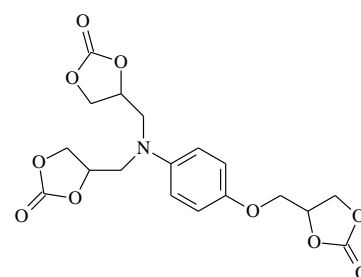
SP-68-016

Methoxy-hydroquinone
 Bis Carbonate
 [1584677-15-5]
 $C_{15}H_{16}O_9$
 Mw= 340.29



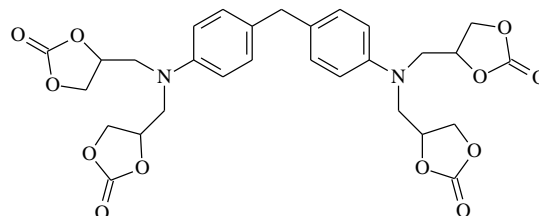
SP-68-017

Oxyaniline Tri
 Carbonate
 [842131-53-7]
 $C_{18}H_{19}NO_{10}$
 Mw= 409.35

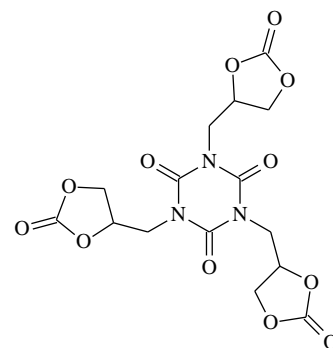




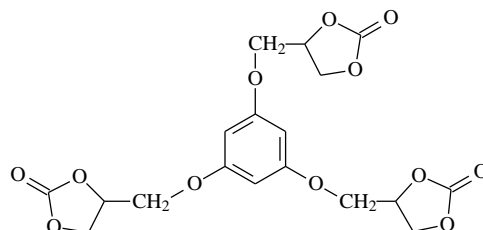
SP-68-018
 Methylene bis(Aniline-
 N,N di Carbonate)
 [1119579-32-6]
 $C_{29}H_{30}N_2O_{12}$
 Mw= 598.56



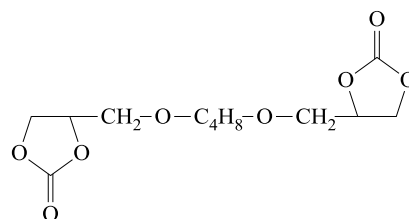
SP-68-019
 Isocyanurate Tri
 Carbonate
 [147876-34-4]
 $C_{15}H_{15}N_3O_{12}$
 Mw= 429.30



SP-68-020
 Phloroglucinol Tri
 Carbonate
 [1980062-58-5]
 $C_{18}H_{18}O_{12}$
 Mw= 426.33

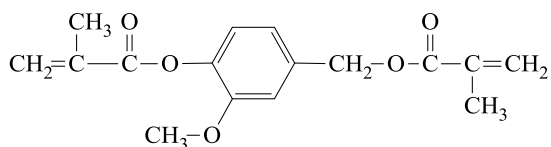


SP-68-021
 Butanediol Biscarbonate
 [25844-34-2]
 $C_{12}H_{18}O_8$
 Mw= 290.27

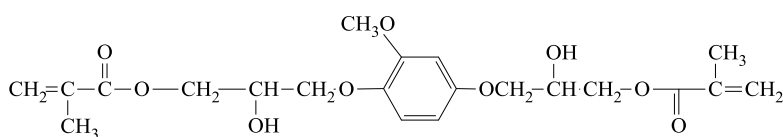




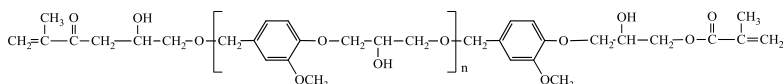
SP-68-022 Vanillin Dimethacrylate
 [36195-35-4]
 $C_{16}H_{18}O_5$
 Mw = 290.32



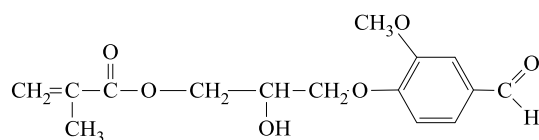
SP-68-023 Methoxy Hydroquinone
 Dimethacrylate
 [Not Identified]
 $C_{21}H_{28}O_9$
 Mw = 424.45



SP-68-024 Vanillin
 Hydroxypropane
 Dimethacrylate
 [1831135-13-7]



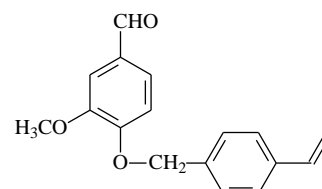
SP-68-025 Vanillin Hydroxypropyl
 Methacrylate
 [87227-90-5]
 $C_{16}H_{20}O_6$
 Mw = 308.32





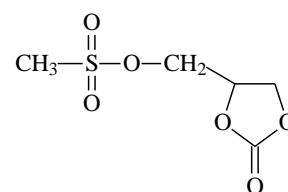
Vanillin Functionalized
Styrene
[70818-26-7]
 $C_{17}H_{16}O_3$
Mw= 268.31

SP-68-026



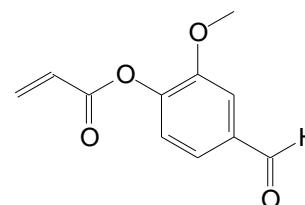
Glycerol Carbonate
Mesityl End Group
[949896-01-9]

SP-68-027



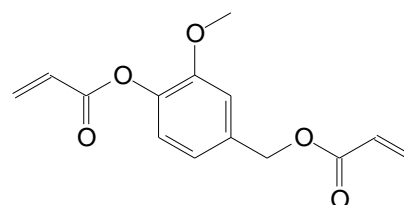
Vanillin Acrylate
[881994-33-8]
 $C_{11}H_{10}O_4$
Mw= 206.19

SP-68-028



Vanillin Diacrylate
[1913336-63-6]
 $C_{14}H_{14}O_5$
Mw= 262.26

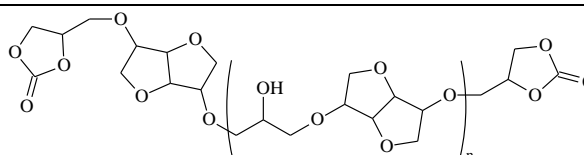
SP-68-029



▣ SP-9S-0- SUSTAINABLE CARBONATE

Poly Isosorbide Bis Carbonate
[not identified]

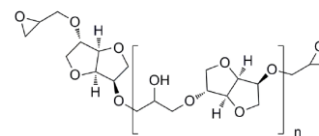
SP-9S-0-001



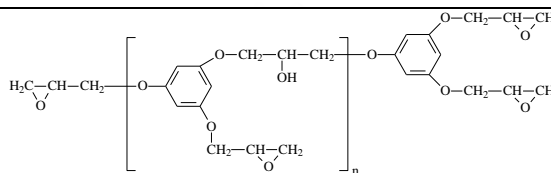


□ **SP-9S-5- SUSTAINABLE EPOXY**

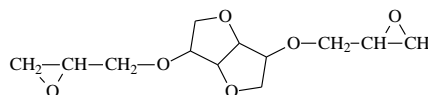
SP-9S-5-001 Poly Isosorbide Bis Epoxy
[not identified]



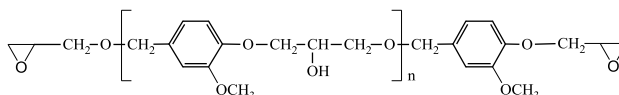
SP-9S-5-003 Phloroglucinol Tris Epoxy
[4223-14-7]



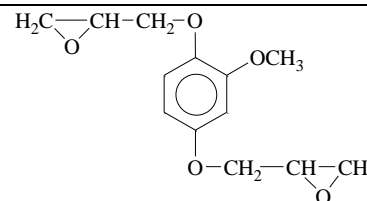
SP-9S-5-004 Isosorbide Bis Epoxy
[not identified]



SP-9S-5-005 DGEVA - Vanillin Bis Epoxy
[1584677-14-4]



SP-9S-5-006 Methoxyhydroquinone Bis Epoxy
[1584677-13-3]



SP-9S-5-007 Vanillic Acid Bis Epoxy
[1393710-63-8]

