




Product Guide

PHOSPHORUS DERIVATIVES




Pioneering Excellence

For Over 20 Years



SMC Global's initial venture into the realm of production capacity started in Phosphorus Derivatives over 20 years ago. We pride ourselves on being at the forefront of the industry, consistently delivering high-quality chemical solutions to meet the diverse needs of our customers worldwide.

With our state-of-the-art manufacturing facilities and cutting-edge research and development capabilities, we ensure that our products adhere to the highest standards of excellence. Our Phosphorus Derivative chemicals are renowned for their exceptional purity and reliability.



Stabilizing Agents

Product	CAS#	Application
SMC Global 3530 Benzene Phosphinic Acid	1779-48-2	Stabilizing Agent in Nylon Manufacturing
SMC Global 603 Manganese Hypophosphite	7783-16-6	Stabilizing Agent in Nylon Manufacturing
SMC Global 619, 620, 621W, 622L, 625, 626, 627, 629, 701 Phosphorus Acid	13598-36-2	Stabilizer, Reducing Agent, Used in Organophosphorus Pesticides and Phosphonates Production

Reducing Agents

SMC Global 605 Hypophosphorus Acid, 50%	6303-21-5	Reducing Agent, Color Stabilizer, Catalyst, Neutralizing Agent, Antioxidant
SMC Global 601, 580, 610, 611 Sodium Hypophosphite	10039-56-2	Reducing agent, raw material in flame retardant manufacturing

Catalysts

SMC Global 631, 633 LHM Phosphorus Pentoxide (P2O5)	1314-56-3	Catalyst Production, Dehydrating Agent, Surfactant Production
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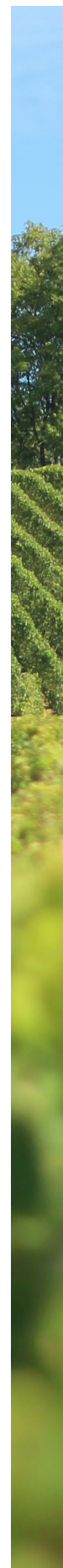


Flame Retardants

SMC Global 652 THPC – Urea Pre-condensate	27104-30-9	Chloride-based Flame Retardant for Cotton-based Fabrics
SMC Global 657 THPC – Urea Pre-condensate	27104-30-9	Chloride-based Flame Retardant for Cotton-based Fabrics (Lower Urea Content)
SMC Global 654 THPS – Urea Pre-condensate	63502-25-0	Sulfur-based Flame Retardant for Cotton-based Fabrics
SMC Global 656 THPS – Urea Pre-condensate – SH	63502-25-0	Sulfur-based Flame Retardant for Cotton-based Fabrics (Lower Urea Content)
SMC Global 2401 Tributoxyethyl Phosphate	78-51-3	Flame Retardant in Plastics, Plasticizer in Rubber and Plastics
SMC Global 2405 Triethyl Phosphate	78-40-0	Flame Retardant, Catalyst, Plasticizer, Solvent

Water Treatments

SMC Global 651 Tetrakis(hydroxymethyl)phosphonium Chloride (THPC), 80%	124-64-1	Scale Inhibitor
SMC Global 650 Tetrakis(hydroxymethyl)phosphonium Sulfate (THPS), 75%	55566-30-8	Water Treatment, Oil and Gas, Paper Mills, Textiles
SMC Global 646 Tetrakis(hydroxymethyl)phosphonium Sulfate (THPS), 30%	55566-30-8	Iron Control
SMC Global 2732, 2734 Phosphoric Acid – Tech Grade	7664-38-2	Water Treatment, Food Additive, Chemical Intermediate in Agricultural Feeds, Soaps, Polishes
SMC Global 2401 Tributoxyethyl Phosphate	78-51-3	Flame Retardant in Plastics, Plasticizer in Rubber and Plastics
SMC Global 2405 Triethyl Phosphate	78-40-0	Flame Retardant, Catalyst, Plasticizer, Solvent



Food Additives

SMC Global 2730, 2731

Phosphoric Acid – Food Grade

7664-38-2 Food Additive to Acidify Foods

Plasticizers & Solvents

SMC Global 2398, 2402

Tributyl Phosphate

126-73-8

Anti-foaming Agent in Detergents,
Emulsions, Paints, Adhesives

Agricultural & Plant Health

SMC Global 660

Potassium Phosphite Solution

13977-65-6

Fertilizer or Fungicide to Improve
Plant Health and Disease
Resistance

SMC Global 606

Calcium Hypophosphite

7789-79-9

Animal Health Products, Process
Aid in Surfactant Production

Organic Synthesis & Intermediates

SMC Global 2720, 2725, 2726, 2728, 2729

Polyphosphoric Acid

8017-16-1

Asphalt Modification, Organic
Synthesis, Phosphate Ester Production

Coating Additives

SMC Global 3531, 3532

Sodium Benzene
Phosphinate

4297-95-4

Coating Additive



GLOBAL PRESENCE



Corporate Headquarters

70 West 40th Street, 2nd Floor
New York, NY 10018
(646) 366-0400 - info@smc-global.com

COMMERCIAL OFFICE

44 North Main Street
Lambertville, NJ 08530
info@smc-global.com
(609) 397-3377

SOUTH CAROLINA – PRODUCTION

369 Little Dude Avenue
Kershaw, SC 29067
info@smc-global.com
(803) 283-7575

KANSAS – PRODUCTION

2955 Chrysler Road
Kansas City, KS 66115
info@smc-global.com
(913) 499-7320

SOUTH CAROLINA – WAREHOUSE

712 Gum Street
Pageland, SC 29728
info@smc-global.com
(843) 672-7244

TEXAS – PRODUCTION SITE

4125 Dan Hanks Lane
San Angelo, TX 76904
info@iccoilfield.com
(325) 692-8592

TEXAS – WAREHOUSE

2801-D West 306 Loop
San Angelo, TX 76904
info@iccoilfield.com
(325) 692-8592

TEXAS – WAREHOUSE AND MANUFACTURING

9902 Sheldon Rd,
Houston, TX 77049
info@iccoilfield.com
(832) 778-6627

SWITZERLAND INTERNATIONAL HEADQUARTERS

Rue De La Laiterie 2
1920 Martigny Switzerland
international@smc-global.com
+41 27 722 57 11