Polynt in your World: 60-years history of partnership
Contents

1. A growing specialty chemical industry.................................................................3
2. Polynt Group in the World: Our Plants.................................................................4
3. Our History............................................................................................................5
4. Our Product Range..............................................................................................6
5. Applications..........................................................................................................16
6. For a better way of life........................................................................................18
7. Certifications.........................................................................................................18
8. Responsible Care.................................................................................................19
9. Production Technologies....................................................................................19
10. Fitting the Future...............................................................................................20
11. Strategic Achievements.....................................................................................20
12. Company Addresses..........................................................................................21
A growing specialty chemical industry

We believe in research, innovation and development to provide natural solutions that respect the ecosystem’s equilibrium, while offering efficient alternatives to the consumption of our precious natural resources.

Since 1955 we have been active in the production, sale, research and development of organic anhydrides and their derivatives.

Our presence in the major chemical intermediates sector allows us to play a central role in activities ranging from petroleum refining to the production, sale and market distribution of finished products.

Integrated Business Model

Polynt Group internally manages the entire production-distribution chain through these operations:

- Research and development
- Production planning and sourcing of raw materials
- Production process, quality control and logistics
- Storage
- Sales and after-sales assistance with finished goods

Passion, expertise, technology and innovation

Our key products are:

- Anhydrides: Phthalic, Maleic and Trimellitic
- Specialties: GPP, SPP, Special Anhydrides, Special Esters, Catalysts and Acids
- Composites: UPR, VE, SMC, BMC, Gel Coats and Bonding Pastes
- Coating Resins

A Global Company: Innovation & Quality

Polynt Group's global footprint spans four continents with manufacturing and commercial facilities, allowing us to provide our customers with innovative and sustainable solutions.

Throughout our production chain, Polynt Group is a pioneer in responsible innovation: we combine design, quality and progress, while protecting the environment, improving the process technology.
Polynt Group in the World

Our Production Sites

**AMERICAS**
**BRASIL**
Reichhold do Brasil LTDA.
Mogi das Cruzes

**CANADA**
Polynt Composites Canada, Inc.
Brampton - Cape Sable Island - Drummondville - Winnipeg

**USA**
Polynt Composites USA Inc. and Reichhold LLC 2
Azusa - Carpentersville - Chatham
- Durham - Ennis - Forest Park
- Houston - Jacksonville - Marshall
- Morris - North Kansas City
- Orlando - Pensacola - Sandusky
- Valley Park

**MEXICO**
Reichhold Quimica de Mexico, S.A. de C.V.
Atlacomulco

**EUROPE**
**FRANCE**
Polynt Composites France S.A.
Drocourt

**GERMANY**
Polynt Composites Germany GmbH
Miehlen

**ITALY**
Polynt S.p.A. and Reichhold S.r.l. (ITA)
Brembate Sopra - Cavaglià - Ravenna
- San Giovanni Valdarno - San Polo di Torriile
- Scanzorosciate

**NORWAY**
Polynt Composites Norway AS (NOR)
Sandefjord
Reichhold AS (NOR)
Fredrikstad

**POLAND**
Polynt Composites Poland Sp. z o.o.
Niepolomice

**SPAIN**
Polynt Composites Spain, S.L.U.
Miranda de Ebro

**UK**
Polynt UK Ltd.
Staffordshire (Leek)
Polynt Composites UK Ltd.
Stallingborough
Reichhold UK Limited
Mitcham

**ASIA & OCEANIA**
**CHINA**
Polynt Chemical (Changzhou) Co., Ltd.
Changzhou
Reichhold Polymers (Tianjin) LTD.
TianJin

**INDIA**
Reichhold India Private Limited
Pune

**KOREA**
Polynt Composites Korea Co., Ltd.
Jeollabuk-do

**MALAYSIA**
Polynt Composites Malaysia Sdn. Bhd.
Pasir Gudang
Our History

On 1st January 2013 Polynt Iberca SL (Barcelona) is operative

On 18th April 2011, Momentive Specialty Chemicals Inc. sells its Composites and Resins for paints business to PCCR USA, an indirectly controlled subsidiary of Investindustrial

Polynt S.p.A. is acquired by Specialty Polymers and it is delisted from the Italian Stock Exchange. In August Polynt S.p.A. acquires Chemial Group (Intermediates)

On 1st August Lonza S.p.A. changes its name into Polynt S.p.A. and on 30th October it is listed on the STAR segment of the Italian Stock Exchange

Lonza merges with Lonza Compounds S.p.A. (formerly Molding Compounds S.p.A.) and Lonza Composites S.r.l. (formerly Reglar S.r.l.)

Expansion of Ravenna’s plant: it starts Maleic Anhydride and (from 1999) Tetrahydrophthalic Anhydride’s production

Expansion of the plant of Scanzorosciate: it starts Trimellitic Anhydride and Malic Acid production

Alusuisse S.A. acquires the chemical company Lonza AG and creates a Chemistry Division. In 1979 Alusuisse S.A acquires Distillerie Italia S.p.A.’s site in San Giovanni Valdarno (Arezzo - Italy) in which Unsaturated Polyester Resins and Plasticizers are produced

1962 - Alusuisse S.A., a Swiss multinational, acquires FTALITAL industrial complex


1974 - 1979 - Lonza acquires Reglar S.r.l. (composite materials molding)

1991 - Lonza acquires Siaf U.P. Resins and also Molding Compounds S.p.A (reinforced composite materials based on Unsaturated Polyester Resins)

1994 - Expansion of Ravenna’s plant: it starts Maleic Anhydride and (from 1999) Tetrahydrophthalic Anhydride’s production

1999 - 2001 - The Lonza group splits from Algroup (formerly Alusuisse) and is listed on the Zurich stock exchange. Then, Lonza acquires the German companies Lonza Compounds Verwaltungs and Lonza Compounds, based in Miehlen

2003 - Lonza merges with Lonza Compounds S.p.A. (formerly Molding Compounds S.p.A.) and Lonza Composites S.r.l. (formerly Reglar S.r.l.)

2005 - Lonza sets up the Lonza Poland Sp. Z.o.o. plant in Niepolomice (Compounds and Unsaturated Polyester Resins)

2006 - Polyn SpA acquires Changzhou Boda Fine Chemical plant (Trimellitic Anhydride)

2008 - On 1st December 2014 Polynt acquires CCP Composites business from Total, converting it into Polynt Composites

2011 - On 1st January Polynt France SARL (Lyon) is operational

2013 - On 1st April PCCR changes its name to Polynt Composites

2015 - On 19th May 2017 Polynt and Reichhold complete merger to create a global specialty chemicals group

2017 - On 19th May 2017 Polynt and Reichhold complete merger to create a global specialty chemicals group

Start-Up

The FTALITAL industrial complex in Scanzorosciate (Bergamo, Italy) starts its production of Phthalic Anhydride used in the derivatives production of synthetic materials
Our Product Range

Composites

**UP Resins & VE Resins**

- Compounds
- Gel Coats
- Low Profile, Low Shrink Additives, Tooling & Systems
- Bonding Pastes
- Catalysts and Cleaning Agents

**Unsaturated Polyester Resins**

<table>
<thead>
<tr>
<th>Biobased Resins</th>
<th>PRODUCT FAMILY NAME</th>
<th>APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyester Hybrid Resins</td>
<td>ENVIROGUARD®, ENVIROLITE®</td>
<td>Abrasives, aerospace, agriculture, anti-corrosion, automotive and truck parts, building and construction, buttons, coatings, composites, corrugated sheets, electrical equipment, furniture, gel coats, household, industrial equipment and structures, injection, laminates, marine, pipes &amp; tanks (anti-corrosion, standard, cured-in-place-pipe), profiles and gratings, public transport, putties &amp; mastics, railway sector, sandwich panel, sanitary, sports &amp; leisure, stickers, swimming pools, synthetic marble, tanks, translucent sheets (roofing and cladding), water containers, renewable energy</td>
</tr>
<tr>
<td>Polyester Hybrid Resins</td>
<td>XYCON®</td>
<td></td>
</tr>
<tr>
<td>Polyester Hybrid Resins</td>
<td>PROCORE®</td>
<td></td>
</tr>
<tr>
<td>Styrene-Free</td>
<td>ENCORE PRIME®, POLYLITE HS™</td>
<td></td>
</tr>
<tr>
<td>Unsaturated Polyester Resins</td>
<td>Orthophthalic Resins</td>
<td>Distitron®, Norsodyne®, Polylite®, Stypol®, 71X-XXXX, 77X-XXXX</td>
</tr>
<tr>
<td>Unsaturated Polyester Resins</td>
<td>Isophthalic Resins</td>
<td>Distitron®, Norsodyne®, Polylite®, Stypol®, 73X-XXXX, 74X-XXX</td>
</tr>
<tr>
<td>Unsaturated Polyester Resins</td>
<td>DCPD Resins (Dicyclopentadiene)</td>
<td>Distitron®, Envirolam®, Enydyne®, Polylite®, Polydyne®, Stypol®, 73X-XXXX, 77X-XXXX</td>
</tr>
<tr>
<td>Unsaturated Polyester Resins</td>
<td>Special Resins</td>
<td>Dion®, Distitron®, Environguard®, Enydyne®, Hydrex®, Norsodyne®, 73X-XXXX, 75X-XXXX, 76X-XXXX, 77X-XXXX, 79X-XXXX</td>
</tr>
</tbody>
</table>
# Vinyl Ester Resins

<table>
<thead>
<tr>
<th>Epoxy VE Hybrid Resins</th>
<th><strong>PRODUCT FAMILY NAME</strong></th>
<th><strong>APPLICATIONS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>XYCON®, DION®</td>
<td>Abrasives, aerospace, agriculture, anti-corrosion, automotive and truck parts, building and construction, buttons, coatings, composites, corrugated sheets, electrical equipment, furniture, gel coats, household, industrial equipment and structures, injection, laminates, marine, pipes &amp; tanks (anti-corrosion, standard, cured-in-place-pipe), profiles and gratings, public transport, putties &amp; mastics, railway sector, sandwich panel, sanitary, sports &amp; leisure, stickers, swimming pools, synthetic marble, tanks, translucent sheets (roofing and cladding), water containers, renewable energy, spar caps.</td>
</tr>
<tr>
<td></td>
<td>Vinyl Ester Resin Blend</td>
<td>DION®, DISTITRON®, HYDREX®</td>
</tr>
<tr>
<td></td>
<td>DION®, DISTITRON® VE, EPOVIA®, EPOVIA® OPTIMUM, NUPOLEX®, 75X-XXXX, 78X-XXXX</td>
<td></td>
</tr>
<tr>
<td>Vinyl Ester</td>
<td>DION®, DISTITRON® EF Series, EPOVIA®</td>
<td></td>
</tr>
<tr>
<td>Vinyl Low Styrene Content</td>
<td>DION®, DISTITRON® EF Series, EPOVIA®</td>
<td></td>
</tr>
<tr>
<td>Styrene-Free Epoxy VE</td>
<td>ENCORE PRIME®, POLYLITE® HS, STYROGUARD® II</td>
<td></td>
</tr>
<tr>
<td>Tackifier</td>
<td>NUTACK®</td>
<td></td>
</tr>
</tbody>
</table>
Compounds

<table>
<thead>
<tr>
<th>PRODUCT FAMILY NAME</th>
<th>APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BMC</strong> (Bulk Moulding Compounds)</td>
<td>Automotive, trucks, railways, tractors, electric and electronic, household, building, aircraft, engineering, industrial, food contact, sport and leisure, panels</td>
</tr>
<tr>
<td><strong>SMC</strong> (Sheet Moulding Compounds)</td>
<td>Automotive, aircraft, industrial, sport and leisure, engineering, structural applications</td>
</tr>
<tr>
<td><strong>Polynt SMC</strong>Carbon® - epoxy and vinylester SMC reinforced with carbon fiber</td>
<td>Structural applications, automotive, industrial</td>
</tr>
<tr>
<td><strong>Polynt UDCarbon® - epoxy and vinylester composite reinforced with unidirectional tape carbon fiber</strong></td>
<td>Semi-structural materials, veil for optimized surfaces</td>
</tr>
<tr>
<td><strong>Polynt RECarbon® - epoxy and vinylester composites reinforced with recycled carbon fiber fleece</strong></td>
<td>Sport and leisure, industrial</td>
</tr>
<tr>
<td><strong>Polynt BMCarbon® - epoxy and vinylester BMC reinforced with short chopped carbon fiber</strong></td>
<td>Automotive, aircraft, industrial, sport and leisure, engineering, structural applications</td>
</tr>
<tr>
<td><strong>Polynt TXTCarbon® - epoxy and vinylester composite material reinforced with fabric carbon fiber</strong></td>
<td>For further information please contact us</td>
</tr>
</tbody>
</table>

Gel Coats

<table>
<thead>
<tr>
<th>PRODUCT FAMILY NAME</th>
<th>APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ARMORCLEAR™</strong>, <strong>ARMORCOTE®</strong>, <strong>ARMORFLEX™</strong>, <strong>ARMORGUARD®, ARMORHP®, ARMORPLUS®, AR-MORPRO®, BATHCOTE®, BUFFBACK®, FIREBLOCK®, FUSION™, HIGLOSS TR®, IMEDGE®, NORPOL®, PACTHAIL®, POLYCOR®, POLYGEL®, SHIMMER®, STYPOL®, QUICKMIX™, QUICKMIX &amp; POLYCOLOR SERVICE™</strong></td>
<td>Enamels, fire-retardant, industrial application (heat, corrosion &amp; chemical resistance parts), infrastructure construction (cisterns, sanitary, synthetic marble), leisure boats &amp; marine, marble and casting, pigment, renewable energies (wind energy), sanitary and mould manufacture, spray patching, swimming pools, tanks, tooling, transportations (buses, tractors, trucks, train parts)</td>
</tr>
</tbody>
</table>

For further information please contact us
## Low Profile, Low Shrink Additives & Tooling Systems

<table>
<thead>
<tr>
<th>Low Profile &amp; Low Shrink Additives</th>
<th>PRODUCT FAMILY NAME</th>
<th>APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NORPOL™, NORSOLOOK™, STYPOL®</td>
<td>Automotive and truck parts, profiles</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tooling Systems</th>
<th>PRODUCT FAMILY NAME</th>
<th>APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NORPOL™, OPTIMOLD™, OPTIPLUS™, POLYLITE™, POLYNT™</td>
<td>Tooling</td>
<td></td>
</tr>
</tbody>
</table>

For further information please contact us

An example of Low Profile & Low Shrink Additives application

## Bonding Pastes

<table>
<thead>
<tr>
<th>PRODUCT FAMILY NAME</th>
<th>APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRAVICEL™, GRAVICOL™, GRAVIPLAST™, NORPOL™</td>
<td>Industrial applications, transportation (automotive and truck parts), marine and wind energy (wind turbine)</td>
</tr>
</tbody>
</table>

For further information please contact us

Example of Bonding Paste
Catalysts

<table>
<thead>
<tr>
<th>PRODUCT FAMILY NAME</th>
<th>APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NORPOL®</td>
<td>Initiators to ensure consistent cure of all composite resins and gel coats across various manufacturing process technologies</td>
</tr>
</tbody>
</table>

For further information please contact us

Cleaning Agents

<table>
<thead>
<tr>
<th>PRODUCT FAMILY NAME</th>
<th>APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Di-Lynt</td>
<td>Industrial tooling &amp; cleaning</td>
</tr>
<tr>
<td>THERMACLEAN®, MARBLEWASH®, WIPE-BRIGHT®, UNIWIPE®, AQUAWASH®, REPLACETONE™</td>
<td></td>
</tr>
</tbody>
</table>

For further information please contact us

Our Product Range

Coating Resins

Coating Resins........................................................................................................................................................................11

Polynt Group is renowned for its superior quality and extensive range of products including - but not limited to - alkyds, polyesters, urethanes, epoxy resins and curing agents, acrylics and powder coating resins.

Polynt Group offers one of the most comprehensive ranges of resin technology available in the market today. We strive for excellence and are committed to providing unsurpassed customer service to ensure that we exceed the needs of our customers and end-users.
<table>
<thead>
<tr>
<th>PRODUCT FAMILIES</th>
<th>APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACRLAMAC®</td>
<td>Styrenated &amp; Solution Acrylics, Acrylic Polyols</td>
</tr>
<tr>
<td>ALCURE®</td>
<td>Powder Curing Agents</td>
</tr>
<tr>
<td>AMBERLAC®</td>
<td>Modified Alkyds &amp; Copolymers</td>
</tr>
<tr>
<td>AQUAMAC®</td>
<td>Latex</td>
</tr>
<tr>
<td>ARCHEMIS®</td>
<td>Long Oil Alkyds</td>
</tr>
<tr>
<td>AROFLINT®</td>
<td>Non-Isocyanate 2K Systems</td>
</tr>
<tr>
<td>AROLON®</td>
<td>Styrenated &amp; Solution Acrylics, Acrylic Polyols</td>
</tr>
<tr>
<td>AROPLAZ®</td>
<td>Polysters</td>
</tr>
<tr>
<td>BECKOSOL®</td>
<td>Solvent-borne Alkyds</td>
</tr>
<tr>
<td>BECKOSOL AQ®</td>
<td>Alkyd Emulsions</td>
</tr>
<tr>
<td>BECKOSOL AQUA®*</td>
<td>Alkyd Emulsions</td>
</tr>
<tr>
<td>CARBAMAC®</td>
<td>Solvent-borne Oil Modified Urethanes &amp; Uralkyds</td>
</tr>
<tr>
<td>CHEMACOIL®</td>
<td>Vinyl Oxazoline Esters</td>
</tr>
<tr>
<td>DURAMAC®</td>
<td>Conventional Alkyds</td>
</tr>
<tr>
<td>EPOTUF®</td>
<td>Epoxy Resins &amp; Curing Agents</td>
</tr>
<tr>
<td>FINE-CLAD®</td>
<td>Powder Coating Resins</td>
</tr>
<tr>
<td>FINE-TONE®</td>
<td>Digital Printing Ink Resins</td>
</tr>
<tr>
<td>HYDREAU®</td>
<td>Polyester Dispersions</td>
</tr>
<tr>
<td>KELSOL®</td>
<td>Waterborne &amp; Water-Reducible Alkyds</td>
</tr>
<tr>
<td>MACOPOL®</td>
<td>Copolymer Resins</td>
</tr>
<tr>
<td>POLYMAC®</td>
<td>Liquid &amp; Powder Polyesters</td>
</tr>
<tr>
<td>RESAFEN®</td>
<td>Phenolics</td>
</tr>
<tr>
<td>RESANITE®*</td>
<td>Rosin Phenolic Ester Resins for Offset Inks</td>
</tr>
<tr>
<td>REZIMAC®</td>
<td>Modified Alkyds &amp; Epoxy Esters</td>
</tr>
<tr>
<td>SUPER RESANITE® *</td>
<td>Alkyl Phenolic Resins</td>
</tr>
<tr>
<td>SYNTHEMUL®</td>
<td>Non-Styrenated &amp; Vinyl Acrylics</td>
</tr>
<tr>
<td>UROTUF®</td>
<td>Urethanes</td>
</tr>
<tr>
<td></td>
<td>Aerospace, architectural interior and exterior, automotive, general metals,</td>
</tr>
<tr>
<td></td>
<td>industrial maintenance, industrial wood, machinery &amp; equipment, marine,</td>
</tr>
<tr>
<td></td>
<td>metal furniture, stains, transportation, varnishes</td>
</tr>
</tbody>
</table>

* Brazil Only

For further information please contact us
# Our Product Range

## Intermediates & Specialties

<table>
<thead>
<tr>
<th>Category</th>
<th>PRODUCT FAMILY NAME</th>
<th>APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anhydrides and Acids</td>
<td>Phthalic Anhydride, Maleic Anhydride, Trimellitic Anhydride, Tetrahydrophthalic Anhydride</td>
<td>Adhesives, agriculture, animal feed, building and construction, chemical industry, coatings, consumer goods, cosmetics, crop protection, detergents, electronic and electrical, food and beverage, flavors and fragrances, household, industrial sector, intermediates for chemical synthesis, inks and pigments, leather treatment, lubricants, pharmaceutical, paper industry, polymers and plastics, solvents, synthetic fibers, water treatment</td>
</tr>
<tr>
<td>Catalysts</td>
<td>Special Anhydrides</td>
<td></td>
</tr>
<tr>
<td>Special Anhydrides</td>
<td>Special Esters</td>
<td></td>
</tr>
<tr>
<td>Plasticizers</td>
<td>Plasticizers</td>
<td></td>
</tr>
<tr>
<td>Others</td>
<td>Others</td>
<td></td>
</tr>
</tbody>
</table>

For further information please contact us
## Catalysts

<table>
<thead>
<tr>
<th>PRODUCT FAMILY NAME</th>
<th>APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLYCAT ALMA, POLYCAT MAC4, POLYCAT MAC6</td>
<td>Oxidation Catalysts for Maleic Anhydride from n-butane (fluid and fix bed technology) and benzene</td>
</tr>
<tr>
<td>POLYCAT PA</td>
<td>Oxidation Catalysts for Phthalic Anhydride</td>
</tr>
<tr>
<td>POLYCAT PMDA-25</td>
<td>Oxidation Catalysts for Pyromellitic Anhydride</td>
</tr>
<tr>
<td>CMC</td>
<td>Custom Manufactured Catalysts</td>
</tr>
</tbody>
</table>

For further information please contact us

## Special Anhydrides

<table>
<thead>
<tr>
<th>PRODUCT FAMILY NAME</th>
<th>APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTHPA (Methyltetrahydrophthalic Anhydride)</td>
<td>Aerospace, automotive, building and construction, chemical industry, coatings, electric and electronic, intermediates for chemical synthesis, marine, polymers and plastics, renewable energy</td>
</tr>
<tr>
<td>METH (Methylnadic Anhydride)</td>
<td></td>
</tr>
<tr>
<td>Special Hydrogenated Anhydrides / Cycloaliphatic: HHPA (Hexahydrophthalic Anhydride); MHHPA (Methylhexahydrophthalic Anhydride) Special Grades; Anhydride 70/30; Succinic Anhydride</td>
<td></td>
</tr>
<tr>
<td>Pre-accelerated and Modified Special Anhydride: MTHPA (Methyltetrahydrophthalic Anhydride) Special Grades</td>
<td></td>
</tr>
</tbody>
</table>

For further information please contact us
## Special Esters

<table>
<thead>
<tr>
<th>PRODUCT FAMILY NAME</th>
<th>APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol Esters (Triacetin, Diacetin, Priacetin, Tributyrin)</td>
<td>Adhesives, agriculture, automotive, building and construction, chemical industry, coatings, cosmetics, detergents, electric and electronic, food and beverage, foundries, flavors and fragrances, intermediates for chemical synthesis, inks and pigments, marine, leisure and clothing, lubricants, medical and pharmaceutical, polymers and plastics, solvents, synthetic fibers, tobacco industry, water treatment</td>
</tr>
<tr>
<td>Phthalates - Low molecular weight (DEP, DMP)</td>
<td></td>
</tr>
<tr>
<td>Acetates</td>
<td></td>
</tr>
<tr>
<td>Acetates of Glycol Ethers</td>
<td></td>
</tr>
<tr>
<td>Maleates and Fumarates</td>
<td></td>
</tr>
<tr>
<td>Citrates</td>
<td></td>
</tr>
<tr>
<td>Sebacates</td>
<td></td>
</tr>
<tr>
<td>Benzoates</td>
<td></td>
</tr>
<tr>
<td>Succinates</td>
<td></td>
</tr>
<tr>
<td>Esters of Fatty Acids (Oleates and Stearates)</td>
<td></td>
</tr>
<tr>
<td>Organometallic Salts</td>
<td></td>
</tr>
<tr>
<td>Trimellitates - Low molecular weight (TMTM)</td>
<td></td>
</tr>
<tr>
<td>Hexahydrophthalates</td>
<td></td>
</tr>
</tbody>
</table>

For further information please contact us

Two examples of DEP application
Plasticizers

<table>
<thead>
<tr>
<th>PRODUCT FAMILY NAME</th>
<th>APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEHP Medical Grade - DIPLAST® O/MG</td>
<td>Automotive, building and construction, consumer goods, electronic and electrical, food contact materials, household, leisure and clothing, lubricants, medical devices, polymers and plastics</td>
</tr>
<tr>
<td>DINP - DIPLAST® NS also available as stabilized (ST) grade</td>
<td></td>
</tr>
<tr>
<td>DPHP - DIPLAST® RS also available as stabilized (ST) grade</td>
<td></td>
</tr>
<tr>
<td>Linear Phthalates: DIPLAST® L 9-11, DIPLAST® L 11 - also available as stabilized (ST) grade</td>
<td></td>
</tr>
<tr>
<td>Trimellitates: DIPLAST TM - also available as stabilized (ST) grade, DIPLAST TM8, DIPLAST TM8-10/ST, DIPLAST TM10, DIPLAST TM13, DIPLAST TINTM/ST, DIPLAST TM/MG (TOTM Medical Grade)</td>
<td></td>
</tr>
<tr>
<td>Adipates and Polymeric: DIPLAST® D (DOA), DIPLAST® D/MG (DOA Medical Grade), Polimix®, Uraplast®</td>
<td></td>
</tr>
</tbody>
</table>

For further information please contact us

Others

In addition to core products, Polynt Group also supplies products and materials throughout Canada and Australia, allowing our valuable customers to meet their needs with "one-stop shopping" through our experienced, dedicated distributors. These additional product categories are highlighted here:

<table>
<thead>
<tr>
<th>PRODUCT FAMILY NAME</th>
<th>APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone, Corflex 100, Ethyl Acetate, Methyl Ethyl Ketone, Methyl Methacrylate, Styrene Monomer, Toluene, Wax in Styrene</td>
<td>Chemicals and solvents</td>
</tr>
<tr>
<td>Nidaplast, U-Pica Low Density Bulker Mat, Flexokore Balsa Materials</td>
<td>Core materials</td>
</tr>
<tr>
<td>West System, Perfect Gloss Decorative Coating, Rapid Cure Epoxy Kit, Techniglue CA</td>
<td>Epoxy systems</td>
</tr>
<tr>
<td>Wacker, Envirospheres, Q-Cel and Omya</td>
<td>Lightweight and high density fillers</td>
</tr>
<tr>
<td>ERA Polymers</td>
<td>Pouring polyurethane foams &amp; rubbers</td>
</tr>
<tr>
<td>E-Glass; Specialty Reinforcements: ECR, C, AR Glasses</td>
<td>Reinforcements</td>
</tr>
<tr>
<td>Masks, Safety Goggles, Gloves, Barrier Guard Cream, Handwash, Eyewash bottle</td>
<td>Safety &amp; personal protective equipment (PPE)</td>
</tr>
<tr>
<td>Mould Release Systems: Zyxvax, Rexco; Surface Finishes: Farecla</td>
<td>Surface technologies</td>
</tr>
</tbody>
</table>

For further information please contact us
Applications

Renewable Energy

Transportation

Sports & Leisure

Construction, Electrical & Electronic
Polynt Group continues to deliver a diverse range of products that serve the key sectors of agribusiness, biomedical, construction, electronics, transportation and marine industries.

Our production base is comprised of three sectors: Composites, Intermediates and Specialties. We are an essential contributor in the creation of thousands of objects that help improve the quality of life. Through our personalized design solutions dedicated to satisfying each sector's needs and our industrial clients' requirements, we continue to enjoy a loyal customer base.

For a better way of life

Certifications

<table>
<thead>
<tr>
<th>CERTIFICATIONS</th>
<th>AMERICAS</th>
<th>EUROPE</th>
<th>ASIA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>BRAZIL</td>
<td>CANADA</td>
<td>MEXICO</td>
</tr>
<tr>
<td>ANSI/MSE 50021</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CLEAN INDUSTRY</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CTPAT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMAS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FAMI-QS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FSSC 22000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HALAL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ISO 9001</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>ISO 14001</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>ISO 50001</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>KOSHER</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OHSAS 18001</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RESPONSIBLE CARE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SAFETY INDUSTRY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEP</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Responsible Care - Health and Environment: a commitment with 3 objectives

**Commitment to Environmental Improvement** - Awareness of the needs of local communities that host Polynt Group’s plants, plus continual reduction of environmental impact.

**Composites help to reduce consumption of Natural Resources** - Development of new products to progressively substitute natural raw materials in the production of objects and technological equipment.

**Product Safety** - Creation of recyclable products to reduce impact on environment and human health.

Polynt Group undertakes **LCA studies** and carefully examines the cradle-to-gate impact of its raw materials and processes. It allows to compare the environmental impact of specific raw materials and production processes, identifying areas requiring improvements and selecting the most environmentally friendly scenarios for product manufacturing. The Group actively collaborates with customers to carry-out cradle to end-life LCA assessments.

Our Values

- Transparency
- Passion
- Identification
- Courage
- Responsibility
- Honesty
- Enthusiasm
- Respect
- Humility

Production Technologies

Our know-how includes some of the major chemical production technologies. **Homogeneous liquid phase oxidation** and **heterogeneous gas phase oxidation** represent the starting point for the production of Phthalic, Maleic and Trimellitic Anhydrides. These processes are based on the use of proprietary tailor-made catalysts. Starting from these building blocks and thanks to specific production technologies, Polynt Group developed a wide range of products suitable for a large number of market applications varying from electrical and automotive to medical and fragrances.

In this field we devote great care to R&D activity, technology implementation, and process control in order to satisfy the growing standard demand for safety and quality that current regulations and markets require.
### MAIN PRODUCTION TECHNOLOGIES

<table>
<thead>
<tr>
<th>Process</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Esterification</td>
<td>Special Esters production for food &amp; fragrances and PVC plasticization</td>
</tr>
<tr>
<td>Polyesterification</td>
<td>Saturated &amp; Unsaturated Polyester Resins, Alkyds, and Polymeric PVC</td>
</tr>
<tr>
<td>Polyesterification: Powdering</td>
<td>Powder Coating Resins production</td>
</tr>
<tr>
<td>Diels-Alder</td>
<td>Special Anhydrides production for curing of epoxy resins</td>
</tr>
<tr>
<td>Hydrogenation</td>
<td>Special Esters and Special Anhydrides production</td>
</tr>
<tr>
<td>Isomerization</td>
<td>Special Anhydrides production</td>
</tr>
<tr>
<td>Addition Reaction</td>
<td>Malic Acid, Vinyl Ester Resins, and Solution Acrylcs production</td>
</tr>
<tr>
<td>Moulding Compounds</td>
<td>Fibers reinforced thermoset Moulding Compounds production</td>
</tr>
<tr>
<td>Emulsification</td>
<td>Mixing of different components for Gel Coats production</td>
</tr>
</tbody>
</table>

### Fitting the Future

Our R&D activity objective is to create products that favorably contribute to consumer needs while continuing to ensure rigorous environmental and health safeguards. For that reason, every day, our laboratories focus their efforts on activities that improve the performance of the final product to broaden their range and that rationalize manufacturing processes through new technologies. These activities are always conducted keeping in mind our goal of reducing the environmental impact.

In order to reach this goal, we have benefited from the collaboration of several university institutes that allow us to frequently launch new products to the marketplace, while maintaining our traditional objective of creating a people-oriented chemical industry.

### Strategic Achievements

Our specialty chemicals business model is based on:

- Creating original development opportunities through competent and transparent leadership
- Enlarging our integrated production structure
- Improving our capacity to match the emerging market needs and diversify our fields of application by stimulating innovation and focusing attention on our clients' requirements

**Our experience is the guarantee. Our success is the proof.**

**Our commitment is the future.**
Polynt - Reichhold Group Company Addresses

AMERICAS

BRAZIL

Reichhold do Brasil LTDA.
Av. Amazonas, 1100
Mogi das Cruzes, São Paulo, 08744-340
Brasil
Phone: +55 11 4795 8000
Fax: +55 11 4727 6382
email: contact.BR@polynt.com

CANADA

Polynt Composites Canada, Inc.
29 Regan Road
Brampton, ON L7A 1B2
Phone +1 905 495 0606
Fax: +1 905 840 2552
email: contact.CA@polynt.com

Polynt Composites Canada, Inc.
31 Highland Heights Road
Cape Sable Island, NS B0W 1P0
Phone +1 902 745 2855
Fax: +1 902 745 2778
email: contact.CA@polynt.com

Polynt Composites Canada, Inc.
2650 Rue Thérèse - Casgrain
Drummondville, QC J2A 4J5
Phone +1 819 477 4516
Fax: +1 819 474 5000
email: contact.CA@polynt.com

MEXICO

Reichhold Quimica de Mexico, S.A. de C.V.
Boulevard Arturo Montiel Rojas, 10006
Parque Industrial Atlacomulco, 50458
Estado de México
Phone: +52 800 728 5776
Fax: +52 712 122 0328
email: contact.US@polynt.com

USA

Reichhold LLC 2
237 South Motor Avenue
Azusa, CA 91702
United States
Phone: +1 626 334 4974
Fax: +1 626 969 6978
email: contact.US@polynt.com

Polnyt Composites USA Inc.
99 East Cottage Avenue
Carpentersville, IL 60110
United States
Phone: +1 800 322 8103
email: contact.US@polynt.com

Polnyt Composites USA Inc.
920 Tightsqueeze Industrial Road
Chatham, VA 24531
United States
Phone: +1 434 432 8636
Fax: +1 434 432 1366
email: contact.US@polynt.com

Reichhold LLC 2
1035 Swabia Court
Durham, NC 27703
United States
Phone: +1 919-990-7500
email: contact.US@polynt.com

Polnyt Composites USA Inc.
201 Cedar Road
Ennis, TX 75119
United States
Phone: +1 972 875 8634
Fax: +1 919-990-7749
email: contact.US@polynt.com

Colony Composites USA Inc.
71 Barnett Road
Forest Park, GA 30297
United States
Phone: +1 404 362 4000
email: contact.US@polynt.com

Reichhold LLC 2
6350 E Collins Rd
Morris, IL 60450
United States
Phone: +1 815 942 4600
Fax: +1 815 942 4722
email: contact.US@polynt.com

Reichhold LLC 2
5851 FM 1998
Marshall, TX 75672
United States
Phone: +1 903 938 9571
Fax: +1 903 935 1801
email: contact.US@polynt.com

Reichhold LLC 2
820 East 14th Avenue
North Kansas City, MO 64116
United States
Phone: +1 816 391 6000
Fax: +1 816 391 6337
email: contact.US@polynt.com

Reichhold LLC 2
7124 Rocket Boulevard
Orlando, FL 32824
United States
Phone: +1 407 851 3030
Fax: +1 407 855 0674
email: contact.US@polynt.com
Reichhold LLC 2
425 South Pace Boulevard,
Pensacola, FL 32502
United States
Phone: +1 850 433 7621
Fax: +1 850 433 7699
email: contact.US@polynt.com

Polyns Composites USA Inc.
1321 First Street
Sandusky, OH 44870
United States
Phone: +1 419 625 1197
Fax: +1 419 625 8210
email: contact.US@polynt.com

Reichhold LLC 2
249 St. Louis Avenue
Valley Park, MO 63088
United States
Phone: +1 636 225 5226
Fax: +1 636 225 2954
email: contact.US@polynt.com

EUROPE

FRANCE

Polyns Composites France S.A.
Route D’Arras CS 50019
62320 Drocourt - France
Phone: +33 3 21 74 84 00
Fax: +33 3 21 49 55 84
email: contact.FRComposites@polynt.com

GERMANY

Polyns Composites Germany GmbH
Kieselstraße 2
56357 Miehlen - Germany
Phone: +49 6772 93210
Fax: +49 6772 6888
email: contact.DE@polynt.com

ITALY

Polyns S.p.A.
Via Caduti e Dispersi dell’Aeronautica, 18
24030 Brembate Sopra (BG) - Italy
Phone: +39 035 62 31 00
Fax: +39 035 33 35 00
email: contact@polynt.com

Polyns S.p.A.
Via Abate Bertone, 10
13881 Cavaglià (BI) - Italy
Phone: +39 0161 9966 11
Fax: +39 0161 9966 23
email: contact@polynt.com

Polyns S.p.A.
Via Baiona, 192
48123 Ravenna - Italy
Phone: +39 0544 457 011
Fax: +39 0544 451 812
email: contact@polynt.com

Polyns S.p.A.
Via del Pruneto, 40
52027 San Giovanni Valdarno (AR) - Italy
Phone: +39 055 91 281
Fax: +39 055 94 3936
email: contact@polynt.com

Polyns S.p.A.
Via Romagnoli, 23
43056 San Polo di Tornile (PR) - Italy
Phone: +39 0521 812811
Fax: +39 0521 813445
email: contact@polynt.com

NORWAY

Reichhold AS
Øraveien 8/19
1630 Gamle Fredrikstad - Norway
Phone: +47 69357000
Fax: +47 69357001
email: contact.NO@polynt.com

Polyn Composites Norway AS
Klintestadmoen, 9
3241 Sandefjord - Norway
Phone: +47 33448600
Fax: +47 33448601
email: contact.NO@polynt.com

POLAND

Polyn Composites Poland Sp. z o.o.
ul. Grabskia 11d
32-005 Niepolomice - Poland
Phone: +48 12 281 42 00
Fax: +48 12 281 42 01
email: contact.PL@polynt.com

SPAIN

Polyn Composites Spain, S.L.U.
Avenida República Argentina, S/N
09200, Miranda de Ebro - Burgos - Spain
Phone: +34 947 027 202
Fax: +34 947 314 540
email: contact.ES@polynt.com

UK

Polyn UK Ltd.
Station Road
Cheddleton
Staffordshire ST13 7EF - United Kingdom
Phone: +44 (0) 1538 369 000
Fax: +44 (0) 1538 361 330
email: contact.UKIntermediates@polynt.com

Reichhold UK Limited
54 Willow Lane,
Mitcham
Surrey CR4 4NA - United Kingdom
Phone: +44 20 8648 4684
Fax: +44 20 8640 6432
United Kingdom
Phone: +44 1469 552570
Fax: +44 1469 552597
email: contact.UKComposites@polynt.com
This brochure is intended to provide a comprehensive list of the products and services available from all business sectors in which are active the companies and/or corporations controlled, directly or indirectly, by Specialty Chemicals International Ltd (hereinafter referred to as «Polynt Group»). The information, recommendations, answers and/or opinions contained herein (which must be intended only for explanatory purposes) are aimed to assist customers on the basis of our technical and scientific knowledge as of today, taking into account that our products are intended for sale to industrial and commercial customers. However we require customers to inspect and test our products before use and to satisfy themselves as to contents and suitability for their applications: nothing herein shall constitute or shall be deemed to be any other warranty or a representation, express or implied, including merchantability or fitness for a particular purpose or results to be obtained from the use of such information, nor shall be taken or construed as infringing of any existing patents. Product names in capital letters are registered trademarks of the relevant member of Polynt Reichhold Group. © Polynt S.p.A. - January 2019