



Purified Isophthalic Acid

Adding clarity & performance

Our Purified Isophthalic Acid

- Enhances clarity of PET-bottle grade resins
- Secures superior water and chemical resistance in unsaturated polyesters
- Improves property balance for coating resins

The elements of success

You need a partner who can see the big picture when it comes to your products, your processes and your customers. Our experience and expertise in the special niches of organic chemistry, process technology and application development are at your service, providing you with a complete chain of solutions to enhance quality and profitability at every step.

Our versatile intermediates, an essential element of your winning formula, are specifically designed to add value and enhance end-product performance. Your solution to meeting the increasing demands for safer, lighter, more durable and environmentally friendly end-user products, begins here.

Innovation in everything we do

Innovation distinguishes every aspect of our business process. Developing smarter and safer solutions creates real value in new chemical applications. Focused innovation instills leadership and purpose in our business activities, improves internal processes and increases application and product competitiveness.

Delivering our promises globally

Our global presence provides you with reliable solutions and processes, consistent high quality, security of production and supply and delivery with precision. This commitment also means rapid response when product or application support is required and the very best in technical support.

Putting the care into chemicals

We take our responsibilities to heart and are committed to attentive, sustainable business practices. We minimize risks for our customers, our employees and the environment by working proactively to ensure safe products and processes.



Adding clarity & performance

Our Purified Isophthalic Acid (1,3-benzenedicarboxylic acid) is a white crystalline solid. It is produced through the liquid phase catalytic oxidation of Meta Xylene (m-xylene), which we captively refine on-site at our world-class production facility in Singapore. We offer superior delivery precision thanks to our high product quality and efficient logistics. Our strategic location in Singapore ensures that we can offer cost-efficient logistics as well as global supply ability. Our global presence further secures that you will always have a reliable source of purified isophthalic acid at your doorstep.

Main uses

Our customers use our Purified Isophthalic Acid as an alternative or complement to phthalic anhydride and terephthalic acid.

With its 1,3 carboxylic acid configuration, isophthalic acid helps break crystallinity in PET (polyethylene terephthalate) bottle and fiber grade, which in turn improves clarity and processing.

For unsaturated polyester resins (UPRs) and gelcoats, our Purified Isophthalic Acid, combined with our Neopentyl Glycol (Neo), secures the production of UPRs with superior water resistance and weatherability. These polyesters are generically termed iso-polyesters and they are the mark of quality that boat builders look for in UPRs and gelcoats.

For liquid and powder coating polyesters, isophthalic acid is essential in providing industrial coatings with the proper balance between appearance and processing on the one hand and mechanical properties and chemical resistance on the other.

Our Purified Isophthalic Acid

Our Purified Isophthalic Acid is an aromatic di-carboxylic acid with exceptional purity. Its main uses are as a property modifier for:

- PET-bottle and fiber grades
- unsaturated polyesters and gelcoats
- saturated liquid and powder coating polyesters
- alkyd resins
- polyamides
- adhesives

Our Meta Xylene

Our Meta Xylene is a captive raw material but we also offer it for merchant sales. Important applications include:

- agrochemicals
- mosquito repellent
- inner gas barrier
- pigments

Product data summary

Purified Isophthalic Acid

Appearance	Reactive group	Purity wt% min.	Acid value mg KOH/g	Ash ppm max.	m-Toluic acid ppm max.	Moisture wt% max.	Molecular weight g/mol
White crystals	2 carboxyl	99.8	673 – 677	15	150	0.1	166.13

Meta Xylene

Appearance	Reactive group	Purity wt% min.	Color Pt-Co max.	Boiling point °C	Specific gravity @60/60F	Water wt% max.	Molecular weight g/mol
Clear liquid	–	99.5	20	139	0.868	0.1	106.18



Your Winning Formula

The Perstorp Group is the world leader in several sectors of the specialty chemicals market. Few chemical companies in the world can rival its 125 years of success. Today we have a rich performance culture distilled from our long history and extensive knowledge in the chemical industry. That culture and knowledge base enables us to produce Winning Formulas for a wide variety of industries and applications.

Our products are used in the aerospace, marine, coatings, chemicals, plastics, engineering and construction industries. They can also be found in automotive, agricultural feed, food, packaging, textile, paper and electronics applications.

Our production plants are strategically located in Asia, Europe and North and South America and are supplemented by sales offices in all major markets. We can offer you a speedy regional support and a flexible attitude to suit your business needs.

If you want a chemical partner who can offer you focused innovation to enhance your product or application, which is delivered reliably and responsibly look no further. We have a winning formula waiting for you.