

**EASTMAN**

*Eastman 168™ non-phthalate plasticizer*

*Eastman 168™ SG non-phthalate plasticizer*

Creating opportunities.  
Extending markets.



## Put your trust in the market leader.

Historically, *ortho*-phthalate plasticizers have been used to make PVC and plastisol products more viable, efficient, and useful. However, customer preference and regulatory trends have driven a technological shift to non-phthalate alternatives such as Eastman 168™ non-phthalate plasticizer.

Eastman began manufacturing Eastman 168 in 1975. Today, it's a market leader with trusted performance equal to or better than most *ortho*-phthalate plasticizers. It offers excellent low temperature flexibility, resistance to extraction by soapy water, and excellent nonmigration properties. In plastisols, it results in low initial viscosity and excellent viscosity stability.



Medical Tubing  
and IV Bags

Food Contact



*Eastman 168 and Eastman 168 SG comply with various food contact regulations such as the EU Plastics Regulation (EC 10/2011) and the U.S. FDA 21 CFR.*

In 2013, Eastman 168™ SG non-phthalate plasticizer was introduced as an enhanced sensitive grade of Eastman 168 specifically designed for markets facing demanding quality assurance protocols and compliance requirements. With Eastman 168 SG, manufacturers have a proven and cost-effective non-phthalate alternative to make PVC flexible. Eastman 168 SG maintains high purity standards, a clean toxicological profile, and excellent physical properties such as migration resistance, color consistency, thermal stability, RF and solvent welding, and printability.

A non-DEHP solution designed specifically for sensitive and demanding markets, Eastman 168 SG is held to higher purity standards—with more comprehensive testing and analysis, and documentation, including

- United States Pharmacopeial Convention (USP) Class VI certification (PVC tubing)
- Hemocompatibility testing according to ISO 10993-4 (PVC tubing)
- Cytotoxicity testing according to ISO 10993-5 (PVC tubing)





# A proven supplier

Your business doesn't just need reliable plasticizers—it needs a reliable plasticizer manufacturer. As the world's leading producer of non-phthalate plasticizers, Eastman has proven to be a dependable and trusted plasticizer supplier for generations. With manufacturing capabilities around the globe, including sites in North America, Europe, and Asia, we are positioned to deliver the plasticizers you need to thrive in a rapidly changing industry and a dynamic regulatory environment. Our production facilities deliver consistent products to fit your needs and ensure a secure supply.

Our versatile portfolio represents the broadest range of non-phthalate plasticizers in the industry. In fact, we are the world's leading producer of non-phthalate general-purpose and specialty plasticizers.

Today, you'll find Eastman 168 and Eastman 168 SG in worldwide markets, including:

- Adhesives, Sealants, and Caulks
- Automotive
- Coatings
- Decals, Graphics, Graphic Arts, and Inks
- Fabric and Furniture Upholstery
- Flexible PVC
- Flooring and Interior Surfaces
- Food Contact
- Gaskets, Hoses, and Tubing
- Medical
- PVC Plastisols
- Toys and Child Care
- Wires and Cables

For more information about Eastman 168 and Eastman 168 SG, visit [www.EastmanPlasticizers.com](http://www.EastmanPlasticizers.com).



Flexible  
PVC



Flooring and  
Interior Surfaces



The results of insight™

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Safety Data Sheets providing safety precautions that should be observed when handling and storing Eastman products are available online or by request. You should obtain and review the available material safety information before handling any of these products. If any materials mentioned are not Eastman products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be observed.

*It is the responsibility of the medical device manufacturer ("Manufacturer") to determine the suitability of all component parts and raw materials, including any Eastman product, used in its final product to ensure safety and compliance with requirements of the United States Food and Drug Administration (FDA) or other international regulatory agencies.*

*Eastman products have not been designed for nor are they promoted for end uses that would be categorized either by the United States FDA or by the International Standards Organization (ISO) as implant devices. Eastman products are not intended for use in the following applications: (1) in any bodily implant applications for greater than 30 days, based on FDA-Modified ISO-10993, Part 1, "Biological Evaluation of Medical Devices" tests (including any cosmetic, reconstructive, or reproductive implant applications); (2) in any cardiac prosthetic device application, regardless of the length of time involved, including, without limitation, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass assisted devices; or (3) as any critical component in any medical device that supports or sustains human life.*

*For manufacturers of medical devices, biological evaluation of medical devices is performed to determine the potential toxicity resulting from contact of the component materials of the device with the body. The ranges of tests under FDA-Modified ISO-10993, Part 1, "Biological Evaluation of Medical Devices" include cytotoxicity, sensitization, irritation or intracutaneous reactivity, systemic toxicity (acute), subchronic toxicity (subacute), implantation, and hemocompatibility. For Eastman products offered for the medical market, limited testing information is available on request. The Manufacturer of the medical device is responsible for the biological evaluation of the finished medical device.*

*The suitability of an Eastman product in a given end-use environment is dependent on various conditions including, without limitation, chemical compatibility, temperature, part design, sterilization method, residual stresses, and external loads. It is the responsibility of the Manufacturer to evaluate its final product under actual end-use requirements and to adequately advise and warn purchasers and users thereof.*

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