

Eastman 168™ SG  
non-phthalate plasticizer

## A sensitive grade for demanding markets

*Eastman 168™ SG non-phthalate plasticizer is a safe and sensible choice.*

### A trusted solution enhanced

Eastman 168™ SG non-phthalate plasticizer is an enhanced grade of the industry-leading Eastman 168™ non-phthalate plasticizer, specifically designed for the demanding requirements within markets such as medical devices, toys, childcare articles, and food contact applications.

Eastman 168 SG is held to higher purity standards—with comprehensive toxicological testing and documentation. This information has been developed to meet the needs of medical device manufacturers and includes:

- 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)
- U.S. FDA food contact compliance

### Performance with peace of mind

Historically, phthalate plasticizers have been used to make PVC products more pliable and useful. However, customer preference and regulatory trends are driving a technological shift to non-phthalate alternatives.

Eastman 168™ non-phthalate plasticizer has a long history of safe use; and now, Eastman 168 SG offers higher standards for customers who need even greater assurance for specific applications.

With Eastman 168 SG, manufacturers have a proven and cost-effective non-phthalate alternative to make PVC flexible, while maintaining excellent physical properties, such as migration resistance, color consistency, thermal stability, RF and solvent welding, and printability.

### Eastman 168 SG applications/uses

- Bottle caps and closures
- Flexible film (nonfood)
- Medical devices
- Medical PVC bags and tubing
- Toys



## Physical properties

Property	Typical value, units
Wt/Vol (@ 20°C)	8.18 lb/gal
Color (Pt-Co)	15 max.
Specific gravity (@ 20°C/20°C)	0.984
Acidity (as phthalic acid)	0.01 wt% max.
Boiling point	400°C
Freezing point	< -67.2°C
Flash point (Cleveland Open Cup)	238°C (460°F)
Assay	98.5 wt% min.
2-Ethylhexanol	<50 ppm
DOP Di (2-Ethylhexyl) phthalate	<50 ppm

## Ask for it by name

Best yet, Eastman 168™ SG non-phthalate plasticizer is an easy replacement for traditional plasticizers without significant changes to formulations or processing conditions. Backed by a comprehensive and clean toxicological profile, excellent nonmigration properties, outstanding performance, and low-temperature flexibility, it makes the decision to change easy.

Simply requesting a phthalate-free plasticizer may not be good enough for your most sensitive applications. To be sure what's inside your formulated products—and what's not—specify Eastman 168 SG by name.



For more information, visit  
[www.EastmanPlasticizers.com](http://www.EastmanPlasticizers.com)

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