

# Serving up **safe choices**

*Eastman plasticizers for  
food contact applications*

## **It's time to prepare for the best!**

Food contact applications demand plasticizers with clean toxicological and regulatory profiles. Manufacturers looking for safe alternatives are increasingly turning to Eastman for answers.

With clean toxicological and regulatory profiles, including U.S. Food and Drug Administration (FDA) and European Food Safety Authority (EFSA) approvals, our non-phthalate solutions are especially suited for many food contact applications, including food wrap film, PVC gloves, hoses and tubing, conveyor belting, indirect food contact adhesives, and metal cap and closure liners.



**EASTMAN**



## Peace of mind for your food contact applications

Eastman plasticizers that may lawfully be used in food contact applications under current FDA regulations are featured in Table 1. In most cases, a solution such as Eastman VersaMax™ Plus plasticizer or Eastman 168™ SG non-phthalate plasticizer can serve as a near drop-in replacement for DOP and DINP.

Learn more at [Eastman.com/RenewPlasticizers](https://Eastman.com/RenewPlasticizers).

## Drop in to greater sustainability. Right now.

Consumers and big brands are driving the need for sustainability in everyday products, especially food contact applications. You can achieve sustainability in your formulations with Eastman Renew plasticizers, which represent ISCC-certified recycled content\* powered by molecular recycling. Moreover, they can be used as drop-in replacements without compromising performance.



\* Certified recycled content is achieved using mass balance allocation.

**Table 1**  
Eastman plasticizers for food contact applications

	Eastman 168	Eastman 168 SG	Eastman 168 Renew 20	Admex 334F	Eastman DOA	Eastman DOA Renew 20	Eastman Triacetin	Eastman Triacetin Renew 59	Eastman Effusion	Eastman VersaMax Plus
<b>Food contact approvals</b>										
FDA	●	●	●	●	●	●	●	●	●	●
EFSA	●	●	●	●	●	●	●	●		
<b>Suggested applications</b>										
PVC gloves	●	●	●						●	●
Hoses and tubing	●	●	●	●					●	●
Conveyor belting	●	●	●	●	●	●			●	●
Metal cap and closure liners	●	●	●		●	●				
Indirect food contact adhesives	●	●	●				●	●	●	●
Food wrap film				●	●	●				
Intermediates for sweeteners, flavors, and textures							●	●		
Emulsifiers in beverages							●	●		
Chewing gum ingredients							●	●		

Eastman VersaMax Plus plasticizer is a non-phthalate, general-purpose solution that provides U.S. FDA 21 CFR food contact compliance. It offers a competitively lower fusion temperature, exceptional efficiency, low-temperature flexibility, and resistance to extraction by soapy water.

Eastman 168™ non-phthalate plasticizer is held to a high standard with U.S. FDA 21 CFR and EU Plastics Regulation (EC 10/2011) compliance. Make the safe choice by relying on its clean regulatory profile. It offers excellent performance properties, low-temperature flexibility, and resistance to extraction by soapy water. To satisfy the most stringent demands in food contact, Eastman 168 SG™ non-phthalate plasticizer offers security of supply, stringent QA protocols in a high-purity product, and access to test data for peace of mind.

Eastman Effusion™ plasticizer is a high-solvating non-phthalate plasticizer with U.S. FDA 21 CFR compliance. It provides great fusion rates, low-temperature flexibility, and lower plastisol viscosity. Suitable for indirect food contact adhesives, it lowers the system's  $T_g$  and provides a viscosity response comparable to current plasticizers.

## Making the switch is easier than you think.

Your business needs a dependable plasticizer manufacturer to supply products in a timely manner and help meet industry standards. With clean toxicological and regulatory profiles, including FDA and EFSA approvals, our non-phthalate solutions may be just right for your food contact application.

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



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