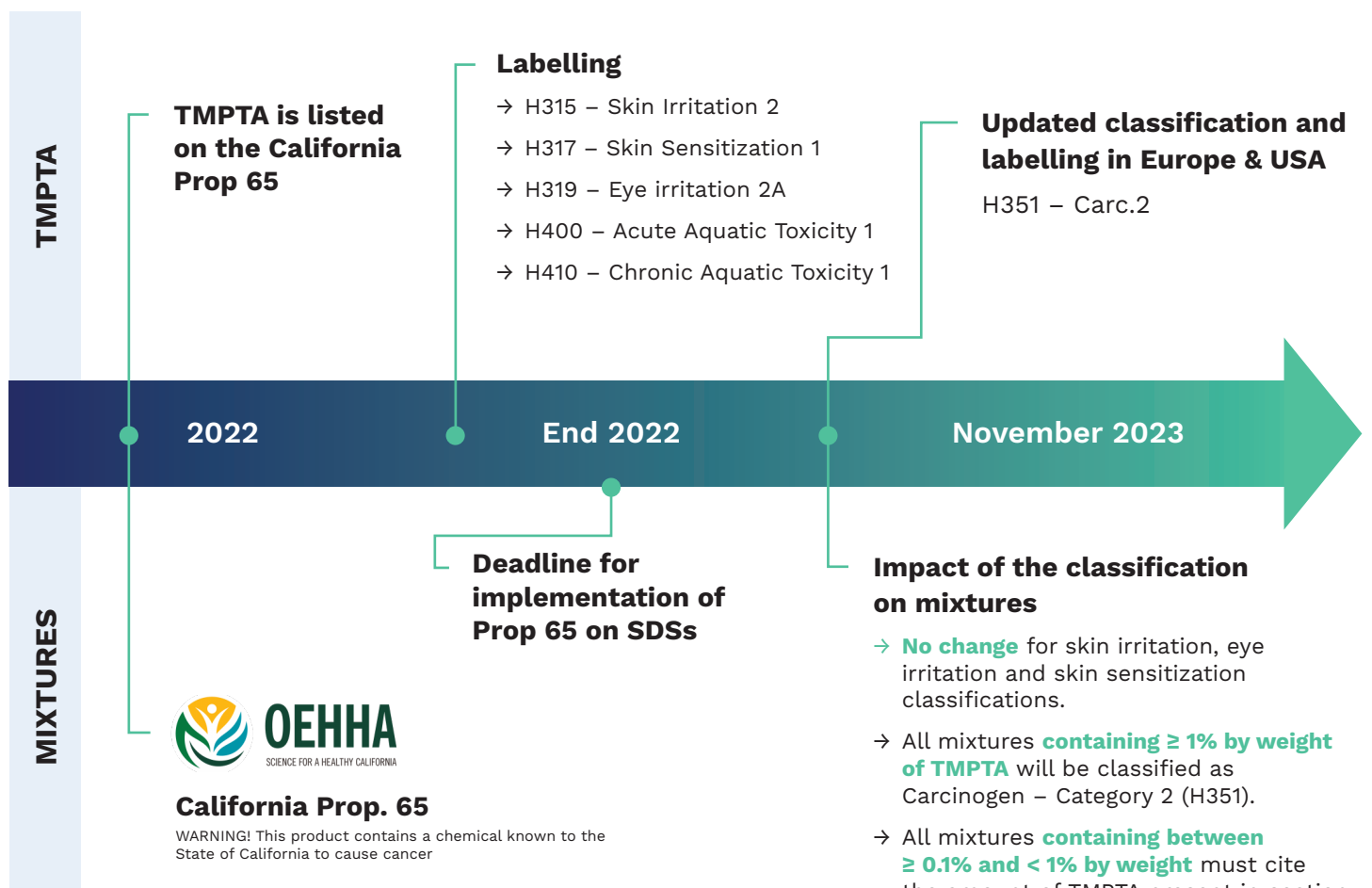


TMPTA ALTERNATIVES FOR FOOD PACKAGING INKS

A COMPREHENSIVE RANGE TO SUBSTITUTE TMPTA

REGULATORY EVOLUTION OF TMPTA AND TMPTA-CONTAINING MIXTURES



DISCOVER DEDICATED RECOMMENDATIONS FOR FOOD PACKAGING INKS

Propoxylated

LM5316 NEW

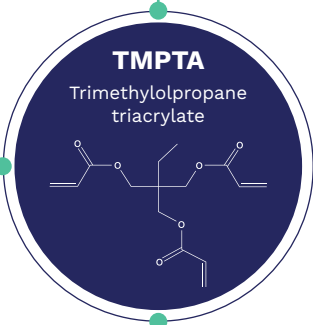
Glyceryl propoxylated (9) triacrylate (GPTA)

$a+b+c=9$

LM5301

Glyceryl propoxylated (3) triacrylate (GPTA)

$a+b+c=3$



Highly Ethoxylated

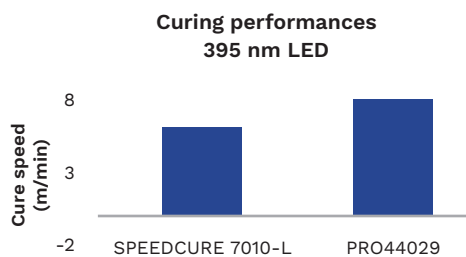
<p style="background-color: #008080; color: white; padding: 5px; text-align: center;">LM5302</p> <p style="text-align: center;">Ethoxylated(4) trimethylolpropane triacrylate (4EOTMPTA)</p> <p style="text-align: right;">$a+b+c=4$</p> <p style="text-align: center; font-weight: bold;">Residual TMPTA < 0.25%</p>	<p style="background-color: #008080; color: white; padding: 5px; text-align: center;">LM5401</p> <p style="text-align: center;">Ethoxylated (4) pentaerythritol tetraacrylate (PPTTA)</p> <p style="text-align: right;">$a+b+c+d=4$</p> <p style="text-align: center; font-weight: bold;">Residual TMPTA < 0.25%</p>	<p style="background-color: #008080; color: white; padding: 5px; text-align: center;">SR502EU NEW</p> <p style="text-align: center;">Ethoxylated (9) trimethylolpropane triacrylate (TMP9EOTA)</p> <p style="text-align: right;">$a+b+c=9$</p> <p style="text-align: center; font-weight: bold;">Residual TMPTA < 0.25%</p>
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Highly functionals

<p style="background-color: #008080; color: white; padding: 5px; text-align: center;">SR355</p> <p style="text-align: center;">Di-trimethylolpropane tetraacrylate (DI-TMPTA)</p> <p style="text-align: center; font-weight: bold;">Residual TMPTA < 1%</p>	<p style="background-color: #008080; color: white; padding: 5px; text-align: center;">LM5601</p> <p style="text-align: center;">Di-pentaerythritol pentaacrylate (DIPEPA)</p>	<p style="background-color: #008080; color: white; padding: 5px; text-align: center;">CN2303EU</p> <p style="text-align: center;">Hyperbranched polyester acrylate</p> <p style="text-align: center; font-size: 24px; font-weight: bold;">F = 6</p>
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PRO44029 Liquid polymeric photoinitiator

<p>Viscosity 189 mPa.s @ 50°C</p>	<p>TMPTA free</p>	<p>Liquid form</p>	<p>High molecular weight and low migration</p>	<p>LED curable</p>
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Resin system: Sartomer® BisA(EO)DA **SR349** 62% wt, Sartomer® TPGDA **SR306** 26% wt, Sartomer® Amine synergist **LM7401** 8%wt, Photoinitiator 4 wt%

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