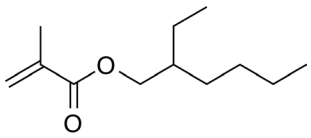
VISIOMER® eCO EHMA

Mass-balanced VISIOMER® EHMA

FEATURES

- Same specifications as **VISIOMER® EHMA**
- Carbon footprint reduced
- Made with circular and/or bio-based feedstocks
- Mass balance approach ensures that sustainability benefits are correctly attributed
- Third-party (ISCC PLUS) verified

Figure 1: Chemical structure of VISIOMER® eCO EHMA

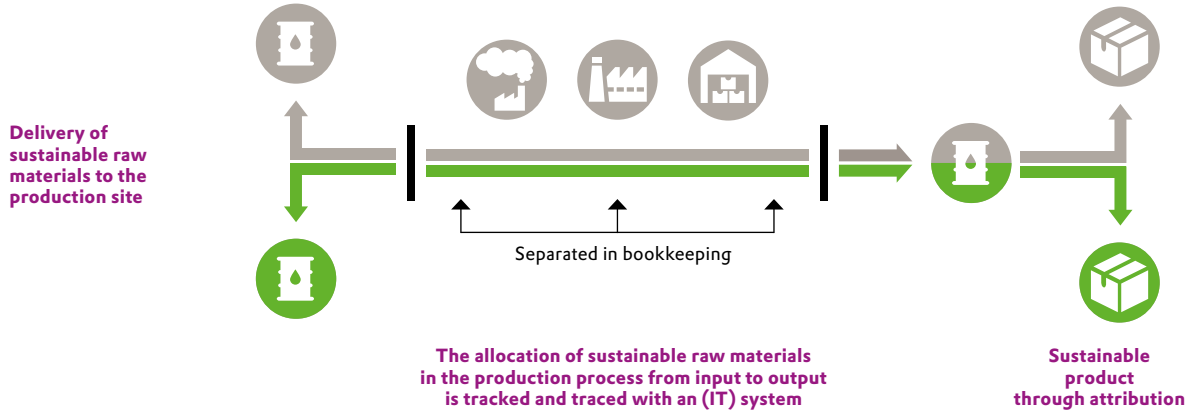


VISIOMER® eCO EHMA is a mass-balanced 2-ethylhexyl methacrylate with a reduced carbon footprint as compared to the standard **VISIOMER® EHMA** product.

Physical Data	
Molecular Weight	198.3 g/mol
Refractive Index	1.439 at 20 °C
Density	0.88 g/cm³ at 20 °C
Viscosity	2.12 mm²/s at 20 °C

Figure 2 shows the concept of mass balance. In addition to the use of bio-based raw materials, the mass balance approach is a method of accounting for the proportion of renewable resources used in the manufacture of a product. It allows for the use of both renewable and non-renewable resources in the production process, while still ensuring that the final product has a lower carbon footprint. By using the mass balance approach, Evonik's **VISIOMER® eCO** product family can help reduce greenhouse gas emissions and contribute to a more sustainable future. Main applications of **VISIOMER® eCO EHMA** are coatings, adhesives and personal care.

Figure 2: Mass balance concept

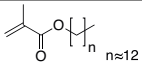
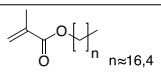
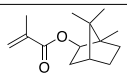
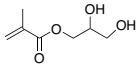


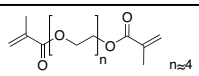
VISIOMER® Specialty Methacrylates

An expanding sustainable portfolio

VISIOMER® Terra specialty methacrylates: bio-based and low hazard

Bio-carbon content is independently certified by DIN CERTCO using the radiocarbon method. Life Cycle Assessments prepared according to ISO 14040/14044 and Together for Sustainability PCF (Product carbon footprint) Guidelines are available.

Commercially Available VISIOMER® Terra Products	Structure	Bio Content[3]
VISIOMER® Terra C13-MA		76%
VISIOMER® Terra C17.4-MA		81%
VISIOMER® Terra IBOMA		71%
VISIOMER® Terra GMMA		43%

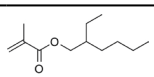
Bio-based Terra Equivalents of Existing VISIOMER® Products	Structure	Bio Content[3]
VISIOMER® Terra PEG 200 DMA		50%

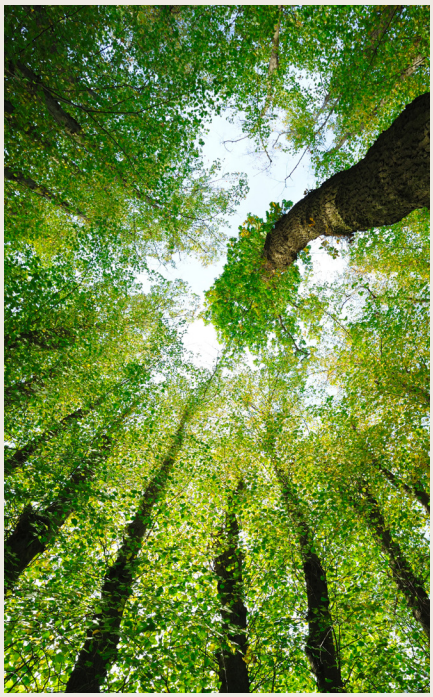
New Structures – VISIOMER® Terra Products	Status	Bio Content
VISIOMER® Terra CARMA	REACH registered	84%[4]
VISIOMER® Terra ISDMA	REACH registered	43%[3]
VISIOMER® Terra IPGMA	TSCA, REACH registered	30%[3]
VISIOMER® Terra OCMA	Scale-up	66%[4]

[3] Third-party, independently certified by DIN CERTCO ASTM D6866 radiocarbon method
[4] Bio content is calculated as the ratio C-number alcohol / C-number methacrylate

VISIOMER® eCO specialty methacrylates: mass-balanced equivalents

New VISIOMER® eCO products are certified according to the ISCC PLUS mass balance approach.

Commercially Available VISIOMER eCO Products	Structure	Sustainable Content
VISIOMER® eCO EHMA		22%



Evonik Operations GmbH
Specialty Methacrylates Product Line
Kirschenallee
64293 Darmstadt, Germany

For Further Information Visit Our VISIOMER® ToolBox.

EVONIK Leading Beyond Chemistry