

Curalite™ Pro Ox C50

Pro-Environmental without compromising on performance

Product Description

Curalite™ Pro Ox C50 is a Pro-Environmental alternative to Curalite™ Ox, ready to be dropped into existing formulations giving the same high performance as its fossil based alternative. Curalite™ Pro Ox C50 is based on 50% renewable carbon content.

Curalite™ Pro Ox is a 3-ethyl-3-oxetanemethanol (Oxetane monoalcohol). It has two reactive groups: one hydroxyl and one oxetane. It is a clear colorless liquid with a molecular weight of 116 g/mol.

Segment Applications

Reactive diluent for cationic or hybrid radiation curing systems
Chemical building block

Delivery Forms

IBC 1000 kg
Steel drums 200 kg, 800 kg/pallet



Curalite™ range gives excellent dilution power, faster process, dimensional stability. The products enable dimensional stability and formulations of transparent formulations. Further, Curalite™ is a safe choice thanks to very low migration as the system continues to cure after radiation.

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Sales Specification

Characteristics	Unit	Specification	Analytical Method ¹
Purity	%	Min. 98.0	PO 145-1
Hydroxyl number	mg KOH/g	475-495	PO 100-16
Water content	%	Max. 0.1	PO 109-10

1. Internal analytical methods are available on request

General Characteristics

Characteristics	Unit	Typical Value ¹
Color	APHA	10
Viscosity at 20 °C	mPas	27

1. Typical values are for information only and not part of sales specification

Pro-Environment Information

Renewable carbon content is 50% based on mass balance concept.

PCF* Including Biogenic CO₂ Uptake: 5.1 kg CO₂eq/kg product
Biogenic CO₂ Uptake: 1.1 kg CO₂/kg product

*Cradle-to-Gate value

All PCF values are calculated based on ISCC, Together for Sustainability, and GHG protocol methodology. The PCF value stated above is updated on a yearly basis, actual values may differ over the year and are stated in the sustainability declaration document. This product is ISCC PLUS certified.

Handling and Storage

Curalite™ Pro Ox is hygroscopic and should be handled to prevent moisture absorption. Perstorp recommends storing Curalite™ Pro Ox in sealed containers at ambient temperature, preferably around 25°C, in a dry area protected from direct sunlight.

HS No.: 2932 99
CAS No.: 3047-32-3
REACH Reg No.: 01-2119953280-43-0000



Effective date: March 21, 2024

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