Document Version 2023-11-15

2-Ethylhexanol Pro 100

2-Ethylhexanol with 100% renewable content

Product Description

Based on a traceable mass balance concept, applying chemical and physical traceability, this Pro-Environment product is designed to reduce the carbon footprint throughout the value chain and to support sustainable sourcing of renewable and recycled raw materials. 2-Ethylhexanol Pro 100 is based on 100% renewable carbon content and carries the ISCC PLUS certification for the mass balance and the calculation of the product's greenhouse gas value. This third party certification also ensures that the sustainable raw materials used are sourced responsibly and sustainably from cradle to gate.
2-Ethylhexanol has one primary hydroxyl group. It is a colorless liquid which is soluble in most organic solvents

Segment Applications

2-Ethylhexanol is widely used as an intermediate in the production of dioctyl phthalate (vinyl applications), acrylates, 2-ethylhexyl nitrate, lubrication oil additives, mining chemicals, special plasticizers, herbicides and ester oils (non-vinyl application areas).

Delivery Forms

Drums, IBCs, Iso Containers, Flexi Containers, Bulk

2-Ethylhexanol Pro 100 is our renewable 2-EH, opting for Pro-Environment products will help your business build commercial and planetary resilience according to the changing needs of our society and industry.

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Sales Specification

Characteristics	Unit	Specification	Analytical Method
Color	Hazen	Max 5	ISO 2211- ASTM 1209
Purity (as water-free)	%	Min. 99.6	GC
Water content	wt. %	Max. 0.05	ASTM E 1064
Acidity (as acetic acid)	wt. %	Max. 0.002	ISO 1385/IV- ASTM D 1613
2-Ethylhexanal	ppm	Max. 200	GC

General Characteristics

Characteristics	Unit	Typical Value[1]
Molecular weight	g/mole	130.2
Boling range	°C	183-186
Density at 20 °C	kg/m^3	832-833

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

Pro-Environment Information

Renewable carbon content is 100% based on traceable mass balance concept.

PCF* Including Biogenic CO_2 Uptake: -1.1 kg CO_2eq/kg product
Biogenic CO_2 Uptake: 2.7 kg CO_2/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.

Handling and Storage

Perstorp recommends storing 2-Ethylhexanol in stainless steel or aluminum containers. Storage under a nitrogen atmosphere is recommended. The maximum storage temperature has not been determined, but when stored as recommended temperatures up to 40°C should present no problem.

CAS No.: 104-76-7
HS No.: 2905 16
REACH registration No.
01-2119487289-20-0003

ISCC International Sustainability & Carbon Certification

Effective date: September 12, 2023