

2-Ethylhexanal

Product Description

2-Ethylhexanal (2-EHAL) is a colorless liquid aldehyde based on a C8 carbon chain. The product is used as an intermediate in chemical synthesis of 2-ethylhexanoic acid and BEPD. Downstream, end user applications, are production of powder coatings, coil coatings, polyester synthetization and polyurethanes.

Segment Applications

2-Ethylhexanal is an intermediate used in a wide variety of segments such as coatings, polyesters and fragrances.

Delivery Forms

Liquid in bulk containers.



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Sales Specification

Characteristics	Unit	Specification	Analytical Method
Purity	%	Min. 98.5	ISO 2718 (GC)
Water content	wt. %	Max. 0.1	ASTM E 1064
2-Ethylhexenal	%	Max. 0.03	ISO 2718 (GC)
Light ends	%	Max. 1.5	ISO 2718 (GC)

General Characteristics

Characteristics	Typical Value ¹
Appearance	Colorless liquid

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

Handling and Storage

To be handled as a transported isolated intermediate under strictly controlled conditions. Ensure good ventilation at the work station and wear personal protective equipment if risk of exposure. Keep away from heat, sparks, flame and other sources of ignition.

For safe storage, keep container tightly closed when not in use. Perstorp recommends storing 2-EHAL in stainless steel (SS 304) containers at ambient temperature. Phenolic lined carbon steel drums are also suitable.

CAS No.: 123-05-7
 HS No.: 291219
 EC (EINECS) No.: 204-596-5
 REACH registration No.: 01-2119475603-36-0001

Effective date: October 5, 2023

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