Document Version 2025-05-28

Propionaldehyde

Chemical intermediate

Product Description

Propanal or Propionaldehyde (PRAL) is the chemical intermediate in the production of propionic acid. It is also used for the production of Perstorp's Bis-MPA. PRAL could also be used to produce various chemical compounds used in pharmaceutical applications, plastics, plasticizers, lacquers, flavorings, cellulose and rubber chemicals.



Segment Applications

Important building block for Pharmaceutical, plastics, plasticizers, lacquers, flavorings, cellulose and rubber chemicals segments.

Delivery Forms

Bulk

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Sales Specification

Characteristics	Unit	Specification	Analytical Method
Color	Hazen	Max. 15	ISO-2211 / ASTM D1209
Purity (as water-free)	%	Min. 99.0	ISO 2718 (GC)
Water content	wt.%	0.8-1.5	ISO 2718 (GC)
Acidity (as propionic acid)	%	Max. 0.20	ISO 2718 (GC)

General Characteristics

Characteristics	Typical Value[1]
Appearance	Clear colorless liquid

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

Regulatory Information

The substance is EU Reach registered as a transported isolated intermediate that requires handling according to strictly controlled conditions. The users of substance must confirm that they can handle the substance under strictly controlled conditions (SCC).

Handling and Storage

Handle and store only under strictly controlled conditions in accordance with Regulation (EC) No. 1907/2006, Art. 18 (4). For details, please see the safety data sheet.

HS No.: 2912-19
CAS No.: 123-38-6

Effective date: May 28, 2025

USERS ARE ADVISED TO MAKE THEIR OWN INDEPENDENT DETERMINATION OF THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE. EXCEPT FOR WHAT IS STATED IN PERSTORP'S GENERAL CONDITIONS OF SALE OR SEPARATELY IN A WRITTEN CONTRACT WITH PERSTORP, NO INFORMATION PROVIDED IN THIS DATA SHEET CONSTITUTES A WARRANTY (EXPRESS OR IMPLIED) BY PERSTORP, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.