

# Technical Data Sheet

## Eastman™ Propionaldehyde

### Applications

- Food flavors & food fragrances
- Fragrance
- Herbicides - intermediate for other
- Polymer modification
- Process solvents

### Product Description

Eastman™ Propionaldehyde is a colorless, flammable liquid, having a pungent, unpleasant odor and used primarily as a chemical intermediate. It undergoes reactions typical of the low molecular weight aldehydes, which, because of the terminal carbonyl group, are very reactive. They are readily oxidized or reduced and take part in numerous addition reactions.

### Typical Properties

Property	Typical Value, Units
<b>General</b>	
Molecular Weight	58.08
Empirical Formula	C <sub>3</sub> H <sub>6</sub> O
Form	Liquid
Refractive Index	1.36 n(20°C/D)
Specific Gravity @ 20°C/20°C	0.81
Water	2.5 wt %
Freezing Point	-81 °C (-114 °F)
Boiling Point	49 °C (120 °F)
Flash Point	-21 °C (-6 °F)
Tag Closed Cup	-27 °C (-17 °F)
Fire Point	-21 °C (-6 °F)
Autoignition Temperature	207 °C (405 °F)
Solubility	
in Alcohol	Miscible
in Ether	Miscible
in Water	167 g/L
Color	
Pt-Co	>10
Assay	97 wt % min.

### Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

*Eastman and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product and nothing*

*herein waives any of the Seller's conditions of sale.*

2/28/2018 11:35:39 AM

© 2019 Eastman Chemical Company or its subsidiaries. All rights reserved. As used herein, ® denotes registered trademark status in the U.S. only.