



## 2-Ethyl Hexanol

### Technical Data Sheet

1	Formula	$C_8H_{18}O$		
2	CAS Registry Numbers	104-76-7		
3	Molecular Weight	130.2		
4	Product Specifications		Value	Test Method
	1	Purity, wt. %, min.	99.5	GC
	2	Acidity as acetic acid, wt. %, max.	0.01	IS 323 – 1959
	3	Water, wt. %, max.	0.1	IS 2362 -1963
4	Color, APHA, max.	10	IS 4161 -1967	
5	Description	2-Ethyl Hexanol is a clear, mobile, neutral liquid with a characteristic odor. It is miscible with all common solvents but is only sparingly soluble in water.		
6	Typical and Physical Properties	Distillation range ( $^{\circ}C$ , 1 atm)	183 – 185	
		Specific gravity @ 20/20 $^{\circ}C$	0.833 – 0.834	
		Appearance	Clear & Colorless	
7	Packaging	Available in bulk & barrels.		
8	Safety	2-Ethyl Hexanol may irritate the skin and eyes. Inhalation of vapors or mists may irritate the respiratory tract. Always refer to the Material Safety Data Sheet (MSDS) for detailed information on safety.		
9	Shelf life	a) Open/Closed Barrels:	6 months & it may oxidize.	
		b) Closed tanks:	24 months under Nitrogen blanketing.	
10	Storage and Handling	2-Ethyl Hexanol can be stored in tanks of normal carbon steel. In this case, however, steps must be taken to exclude moisture from the atmosphere to avoid impairment or product quality (increase moisture content and discoloration by rust). Stainless steel is recommended for more severe storage conditions. Moisture in the atmosphere must be excluded by storing the product under a blanket of inert gas like Nitrogen.  Drums containing the product should be kept tightly closed in a well-ventilated place. Always refer to the Material Safety Data Sheet (MSDS) for detailed		



## 2-Ethyl Hexanol

### Technical Data Sheet

		information on handling and disposal.
11	Applications	<p>2-Ethyl Hexanol main application is as a feed stock in the manufacture of low volatility esters, the most important of it is Di-(2Ethyl hexyl) Phthalate (DOP or DEHP)</p> <p>The applications in which 2-Ethyl Hexanol can be used are as follows:</p> <ul style="list-style-type: none"><li>• Low volatility Solvent for resins, animal fats, vegetable oils etc.</li><li>• Low-volatility ingredient in solvent blends for dyestuffs &amp; coating industries</li><li>• Additive in dispersing &amp; wetting agents for pigment pastes.</li><li>• Feed stock in the manufacture of Ethoxylates &amp; extractents for heavy metals.</li><li>• Used in the production of derivatives like Di-Octyl Adipate, Di-Octyl Maleate, etc.</li><li>• Feed stock in the manufacture of 2-Ethyl Hexyl Sulphate, which is used as a surfactant for Electrolytes.</li><li>• Used in the production of 2-Ethyl hexyl esters, which serves as thermal stabilizers and antioxidants I plastics.</li><li>• Used in antifoams for almost all aqueous systems.</li></ul>

**IMPORTANT:**

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use.