

**2-EH (2 ETHYL HEXANOL)****FORMULA:****DESCRIPTION**

2-ETHYL HEXANOL (2-EH) is a clear, uniform liquid with a characteristic odor, insoluble in water, soluble in organic solvent. It is obtained indirectly in OXO synthesis from propylene and synthesis gas.

**SPECIFICATIONS**

2-Ethyl Hexanol (%Wt) :	<b>99.5 Minimum</b>
2-Ethyl 4-Methyl pentanol (%Wt) :	<b>0.40 Maximum</b>
Color (APHA) :	<b>5 Maximum</b>
Water (%Wt) :	<b>0.10 Maximum</b>
Acidity (as acetic acid) :	<b>0.10 Maximum</b>
Specific gravity @200C :	<b>0.832-0.834</b>
Aldehydes (As 2-Ethyl hexaldehyde, % Wt) :	<b>0.05 Maximum</b>
Sulphuric acid coloyr(APHA):	<b>20 Maximum</b>

**PROPERTIES**

2-EH is non-toxic with the following properties:

Molecular weight	<b>130.23</b>
Freezing point(0C)	<b>-76</b>
Vapor density (air)	<b>4.5 at 20°C</b>
Vapor pressure (0C)	<b>0.2 mm Hg</b>

**APPLICATIONS**

2-EH is most commonly used in the production of Phthalates for rubber and plastic (PVC) fabricating. It is a good paint solvent and an active component of textile finishing formulation.

**HAZARDS AND SAFETY**

Flammable limits (% Vol)	0.9-9.7
Flash point (oC)	73
Ignition temperature (oC)	305

**STORAGE AND HANDLING**

2-EH is usually stored in steel, closed storage tanks protected against excess sunrays, heat and provided with a sprinkling device. 2-EH is transported in tankers.

**PACKAGING**

Steel tankers

UN or ID number 1987