



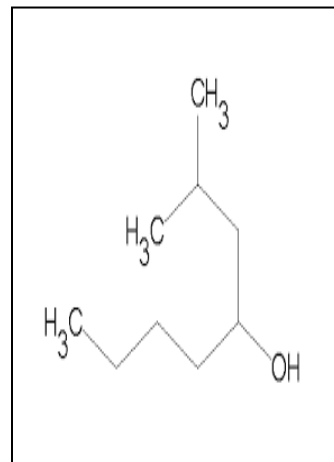
## Product Data Sheet

### OCTANOL [2-Ethyl-Hexanol]

CAS No:	104-76-7
Molecular Formula	C <sub>8</sub> H <sub>18</sub> O

#### Specific Properties:

Item	Specification
Density, g/cm <sup>3</sup>	0.832
Boiling temperature ° C	183-186
Ignition temperature , ° C	75
Flammability	flammable



#### Technical Quality Conditions:

Characteristics	Values	Test methods
Octanol (2 ethyl-hexanol), min. %	99.5	ILL-033/1-01-65
Distillation range (95% vol.) °C	183-185	ASTM D 1078
Acidity (CH <sub>3</sub> COOH), max. %	0.01	ASTM D 1613
Water (Karl-Fischer), max. %	0.1	ASTM E 203
Color, max. Hazen Units	5	SR ISO 2211

#### **General Description:**

Octanol (2-ethyl-hexanol) is a colorless liquid with a specific odor. The product is little soluble in water. It is combustible and flammable.

On heating above 75° C octanol vapors give explosive mixtures with air.

By heating to decomposition, 2-ethylhexanol gives carbon monoxide and dioxide. It can also give irritant and corrosive gases.

#### **Main Applications:**

- In plasticizers manufacturing
- In synthetic lubricants manufacturing
- In surfactants and antifoaming agents manufacturing
- as low volatility solvent for vegetal and animal fats and vegetal and mineral oils
- as wetting and dispersion agent for textiles