CG 105 Technical Date Sheet

1. Chemical Composition

Chemical Name: 2-ethylhexyl alcohol, 2-ethyl hexanol.

CAS #: 104-76-7

2. Product Description

CG 105, 2-ethylhexyl alcohol is a colorless transparent liquid at ambient with a characteristic odor. It is a branched chiral alcohol. It is one of the highest-volume alcohols worldwide. 2-Ethylhexyl alcohol is a precursor of production of many other chemicals, which are widely used as plasticizers, emollients, solvents, and base oils. 2-Ethylhexyl alcohol itself can be used as an organic solvent, a cetane improver and a chemical intermediate for multiple industries. It is slightly soluble in water, but is miscible with many organic solvents, such as ethanol and tetrahydrofuran.

3. Applications

CG 105, 2-ethylhexyl alcohol, is useful for a variety of applications, which include, but are not limited to,

- Organic solvent
- Precursor for plasticizers
- Precursor for base oils
- Cetane improver for diesel
- Emollients
- Chemical intermediate

CG 105, 2-ethylhexyl alcohol, is widely used in many industries, which include, but are not limited to,

Plastic and rubbers, lubricants, personal care, cosmetics, and fuel.

4. Typical Chemical and Physical Properties

Property	Results
Appearance, 25 °C	Colorless, clear liquid
Density, g / mL, 20 °C	0.83
Acid Value, mg KOH/g	0.05
Water, % wt	0.05
Purity, %	99.7

5. Packaging

160 kg / drum or 353 lbs / drum

800 / Tote, 1,763 lbs / Tote

6. Handling and Storage

Recommended handling temperature: Ambient temperature preferred, 60 °C Max.

Storage: the product is recommended to be stored in cool and dry areas. Direct sunlight should be avoided. Ambient temperature is highly recommended for long-term storage.

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