KESSLER CHEMICAL

Distribution & Service Since 1973

Let Us Work For You!

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Anisole

Technical Data Sheet

Product ID: ANS-440

Synonyms: Methoxybenzene; Benzene, methoxy; Ethyl, methyl phenyl; Methyl phenyl ether; Phenyl methyl, Ether

CAS# 100-66-3

Sales Specifications:
Purity (by GC): 99.8% Min
Phenol: 50 ppm Max
Water: 0.2% Max
Specific Gravity (20/4 deg. C.): 0.993 to 0.996
Odor: Characteristic
Color: 35 APHA Max.
Appearance: Water-white, clear liquid.
Packing: 440 lbs. net drum

Physical Properties:
Appearance: Water-white, clear liquid, free of suspended matter
Color: 35 APHA Max
Odor: Aromatic
Specific Gravity (20/4 deg. C.): 0.993 to 0.996
Melting point/freezing point: -37°C (-35°F)
Initial boiling point/range: 153 to 155°C (307 to 311°F) @ 760 mm Hg
Flash point: 51°C (124°F)
Vapor pressure: 9.7 mmHg at 42°C (108°F)
Vapor density: 3.72
Relative density: 0.993 to 0.996 @ 20/4°C.
Solubility: slightly soluble; 0.15 wgt/wgt% at 25°C (77°F).

Partition coefficient: n-octanol/water: log Pow: 2.1
Auto-ignition temperature: 475°C (887.00°F)
Molecular Formula: C7H8O
Molecular Weight: 108.14 g/mol

Product Description:
Kessler Chemical is a leading supplier and distributor of high-purity Anisole. Kessler Chemical works closely with leading suppliers to offer the high quality Anisole that you need for your applications. Anisole is an organic compound with the formula CH3OC6H5. It is a colorless liquid with a smell reminiscent of anise seed, and many of its derivatives are found in natural and artificial fragrances. The compound is mainly produced synthetically and is a precursor to other synthetic compounds. Anisole undergoes electrophilic aromatic substitution reaction more quickly than does benzene, which in turn reacts more quickly than nitrobenzene. The methoxy group is an ortho/para-directing group, which means that electrophilic substitution preferentially occurs at these three sites. The enhanced nucleophilicity of anisole vs. benzene reflects the influence of the methoxy group, which renders the ring more electron-rich. The methoxy group strongly affects the pi cloud of the ring as a mesomeric electron donor, more so than as an inductive electron withdrawing group despite the electronegativity of the oxygen. Anisole is a precursor to perfumes, insect pheromones, and pharmaceuticals. Anisole is also used as a solvent in paint, coatings, and electronics.

Chemical producers and buyers rely on Kessler Chemical for their Anisole needs. We offer the quality, availability and technical knowledge you are looking for in an Anisole supplier. Let Kessler Chemical work for
you!