

White Spirit Technical Data Sheet

Description

White spirit is a clear colorless solvent with very low water solubility and a characteristic odor (Odor threshold: 0.5 - 5 mq/m³). The most common variety of white spirit is a mixture of saturated aliphatic and alicyclic C₇: C₁₂ hydrocarbons with a content of 17-20% (by weight) of aromatic C₇: C₁₂ hydrocarbons and a boiling range of 130-230 °C. The C₉-C₁₁ hydrocarbon (Aliphatic, alicyclic, and aromatics) are most abundant, consisting of ≥ 80% (by weight) of the total.

1	Color	Water white
2	Specific gravity at 20 °C	0.810
3	Appearance	clear liquid free from suspended matter
4	Flash point	42°C
5	Viscosity:	0.4-0.5 Cps
6	Distillation range:	153°C - 237°C
7	Drypoint	237°C
8	Aromatic value	15-17%
9	Sulfur content	< 5 ppm
10	Acidity content	nil
11	Kb value	38% by weight
12	Corrosion	None
13	Water content	Nil

Applications of customer white spirit

Thinners for paints, driers, alkyd resins, dry cleaning, shoe and floor polishers, and ink solvents.