

WHITE SPIRIT

Description

White Spirit is a clear colorless solvent with very low water solubility and a characteristics odour (Odour threshold: 0.5 – 5 mg/m³). The most common variety of white spirit is a mixture of saturated aliphatic and alicyclic C7: C12 hydrocarbons with a content of 15 – 20%. (by weight) of aromatic C7: C12 hydrocarbons and a boiling range of approximately 140 – 230 °C. The C9 – C11 hydrocarbon (aliphatics, alicyclics and aromatics) are the most abundant, consisting ≥ 80% (by weight) of the total.

Applications

Thinners for Paints, Driers, Alkyd Resins, Dry cleaning, Shoe and Floor Polishers and Ink Solvents.

Specifications:

PROPERTIES	UNITS	VALUE	METHOD
Appearance	Physical check	Clear liquid free from suspended matter	VISUAL
Viscosity	CPS	0.4 – 0.5	ASTM D 2196
Color	HAZEN	40 max	ASTM D 1209
Sp. Gravity at 20 °C	Kg/l	0.76 – 0.8	ASTM D 4052
Flash Point	°C	> 38	IP 170
Aniline Point	°C	50 - 56	ASTM D 611
Pour Point	°C	<- 30	ASTM D 97
Distillation IBP	°C	140 ± 2	ASTM D 1078
Distillation DP	°C	230 ± 5	ASTM D 1078
Aromatic Value	% v/v	< 19	ASTM D 1319
Kauri Butanol Value	KB	< 38	ASTM D 1133
Sulphur Content	% Pbw	< 0.015	ASTM D 4294
Acidity Content		NIL	ASTM D 1613
Corrosion		2a max	ASTM D 130
Moisture Content	%	< 0.1	ASTM D 1364
Surface Tension @ 20 °C	mN/m	24-30	Du Nuoy ring

Test Methods:

Copies of copyrighted test methods can be obtained from the issuing organizations:
American Society for Testing and Materials (ASTM): www.astm.org

Quality:

This white spirit does not contain detectable quantities of polycyclic aromatics, heavy metals or chlorinated compounds.

Storage and Handling:

Provided proper storage and handling precautions are taken we would expect White Spirit to be technically stable for at least 24 months. For detailed advance on Storage and Handling please refer to the Material Safety Data Sheet on www.rarresin.com.

DISCLAIMER:

The information contained in this datasheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about the product is given in good faith. Since as we have no control over conditions of substrate, manufacturer and seller cannot accept cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RAR RESIN Technical Service Department.