

ECOCLEAN D60

PRODUCT DESCRIPTION

Vertex EcoClean D60 is a highly refined hydrosulfurised solvent. This product is designed to replace traditional solvents such as Kerosene and White Spirits. The product consists predominantly of C11- C12 paraffins and naphthenes. Deep hydrogenation gives this solvent a very low aromatic content, negligible amount of reactive impurities and a low, sweet odour. Vertex EcoClean D60 is a lower toxicity fluid specifically suited for all applications where you would normally use White Spirits or Kerosene. Vertex EcoClean D60 may be used for the Cleaning of machined parts and a variety of surfaces. The product can remove and dissolve cutting fluids, greases, protective oils, and other similar contaminants, including waxes and surfactants under mechanical agitation. Vertex EcoClean D60 is suitable for use in cutback formulations used in roading and construction and as a carrier solvent or suspension fluid. Vertex EcoClean D60 is also available as a D80 option. D60 has a flashpoint above 60 °C whilst our D80 option has a flashpoint above 80 °C.

APPLICATIONS & BENEFITS

- Vertex EcoClean D 60 provides efficient cleaning without damaging parts.
- Low aromatic content increases worker comfort and significantly lowers threat exposure limits.
- Purified by an advanced hydrogenation process, it possesses an extremely long lifespan.
- Replaces multiple solvents. D60 can be used as a direct replacements for Kerosene and White Spirits.
- Optimum control of your cleaning process.
- Compatible with most plastics and elastomers.
- Improved worker protection and comfort.
- Significantly higher occupational exposure limits and lower risk of over exposure to vapours.
- Improved working environment.
- Offers lower operating costs by providing faster, more efficient cleaning process.
- Recycled product consistency maintained over time with potential for lower fluid usage.
- Potential for reduced compliance costs.
- High degree of quality consistency with predictable fluid performance.
- Broad range of grades with various volatilities, enabling tailored drying times.
- Non-corrosive to metals typically used in industry.
- Narrow distillation range, delivering consistent drying times up to 30 % faster.
- Low aromatic content (<0.5 %), delivering low odor, , lower toxicity and lower aggression to elastomers.
- At least four times lower risk exposure than traditional hydrocarbon solvents with the use of Vertex EcoClean D60.

PACK SIZES AVAILABLE

20L - 200L - 1000L IBC – ISOTAINER

QUALITY

EcoClean D60 does not contain detectable quantities of polycyclic aromatics, heavy metals, or chlorinated compounds.

TYPICAL CHARACTERISTICS

ECOCLEAN D60	MEASUREMENTS	VALUES
COLOUR	VISUAL	COLOURLESS
DENSITY@15°C	KG/M3	0.77-0.79
DISTILLATION, IBP (MIN)	°C	185
DISTILLATION, FBP (MAX)	°C	212
AROMATICS (MAX)	MG/KG	1000
FLASH POINT (PMCC)	°C	62
CUBIC EXPANSION COEFFICIENT @20°C	(10 ⁻⁴)/°C	10
RELATIVE EVAPORATION RATE (NBUAC=1)		0.04
REFRACTIVE INDEX @20°C		1.433
ANTOINE CONSTANT A #	KPA, °C	6.91546
ANTOINE CONSTANT B #	KPA, °C	2225.63
ANTOINE CONSTANT C #	KPA, °C	257.923
ANTOINE CONSTANTS: TEMPERATURE RANGE	°C	+70 TO +200
VAPOR PRESSURE @0°C	KPA	0.02
VAPOR PRESSURE @20°C	KPA	0.08
SATURATED VAPOR CONCENTRATION @20°C	G/M3	5
PARAFFINS	% M/M	50
NAPHTHENES	% M/M	50
AROMATICS	% M/M	< 0.1
BENZENE	MG/KG	<3
AUTO IGNITION TEMPERATURE	°C	255
ELECTRICAL CONDUCTIVITY @23°C	PS/M	10
ANILINE POINT	°C	71
POUR POINT	°C	< -50
HYDROGEN BONDING INDEX		0
FRACTIONAL POLARITY		0
MOLECULAR WEIGHT	G/MOL	162

ADDITIONAL INFORMATION

Storage and Handling

Provided proper storage and handling precautions are taken we would expect EcoClean D60 to be technically stable for at least 12 months. For detailed advice on Storage and Handling please refer to the Material Safety Data Sheet on www.vertexoil.com

Designed for New Zealand Conditions | Manufactured from virgin base stocks. For more technical information please contact Vertex Lubricants NZ Technical Dept. +64 9 640 0004. Sheet updated 27 June 2023.

The information contained in this Product Data Sheet is accurate at the time of printing and is subject to change without prior notice.

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