JOHN HOGG
The Chemistry to Drive Success

DYEGUARD® KMC10

Technical Data Sheet

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SPECIFICATION

ANALYSIS	RANGE	UNITS
ACCUTRACE S10 Method of test: HPLC	≥ 25.0	g/L
C.I. SOLVENT YELLOW 124 Method of test: HPLC	60.0 – 90.0	g/L
COUMARIN Method of test: IP374B	≥ 20.0	g/L
WATER CONTENT Method of test: Karl Fischer	≤ 0.2	%m/m
INSOLUBLES CONTENT Method of test: derived from IP 216 / ASTM D2276	≤ 0.2	%m/m

Above parameters to be quoted on a certificate of analysis if required.

TYPICAL PROPERTIES

PARAMETER	METHOD	RANGE	TYPICAL
DENSITY AT 15°C	ASTM D7042 modified	0.89 – 0.95 kg/L	0.93 kg/L
FLASH POINT	IP 34/ ASTM D93	>61°C	73°C
TEMPERATURE OF CRYSTALLISATION	-	< -20°C	-
VISCOSITY AT 20 °C	ASTM D7042 modified	< 10 cPs	2 cPs

The information in Typical Properties shown above is for guidance only and must not be considered a specification.

TYPICAL USE AND APPLICATION:

This product is designed for addition to Kerosene at the level of 1 part in 10,000 (vol/vol) in order to mark the oil for the purposes of HM Revenue & Customs in the United Kingdom.

The product can be readily pumped, poured or metered directly from the container. Due to the presence of aromatic solvent in this product, contact with natural rubber must be avoided. For seals and joints the use of PTFE, Viton or similar synthetic products are recommended.

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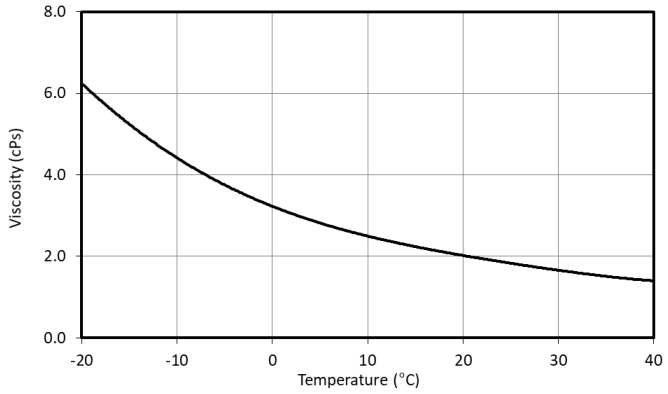
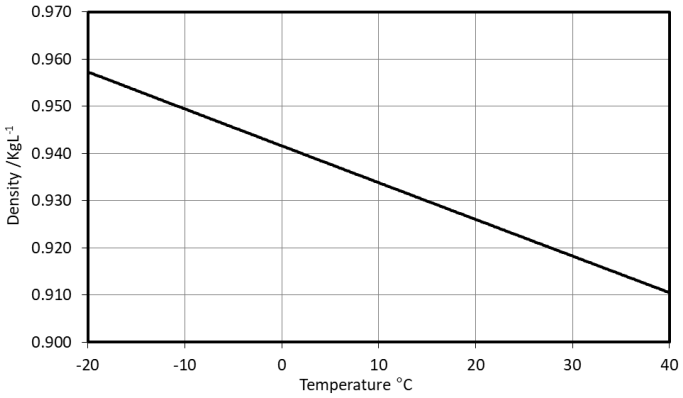
APPEARANCE

DYEGUARD® KMC10 is a free-flowing yellow liquid with a distinct aromatic odour. It is not miscible with water.

TYPICAL VISCOSITY CURVE



TYPICAL DENSITY CURVE



SHELF LIFE AND STORAGE CONDITION

This product is stable for a minimum period of 2 years from the date of manufacture, when stored and handled between 5°C and 40°C.

The product should always be stored away from excessive heat sources, direct sunlight or ignition sources. Storage and handling of this product outside the above stated conditions may compromise the product quality.

If product containers are kept sealed and dry and extreme temperatures are avoided the shelf life of the material is greater than 2 years. The container should be tightly closed when not in use in order to prevent solvent evaporation.

HEALTH & SAFETY

Health and Safety data on this product is available and includes information on handling, storage etc.