

#### SPECIFICATION

<u>ANALYSIS</u>	<u>% m/m</u>	<u>AT 40mg/l</u> <u>(Fuel Density = 0.82 kg/L)</u>
<b>C.I. SOLVENT YELLOW 124</b> Method of test: HPLC	15.0 – 22.5	6.0 – 9.0 mg/L
<b>C.I SOLVENT RED DYES</b> <b>Equivalent to C.I SOLVENT RED 19</b> Method of test: Spectrophotometer (Toluene) Absorbance wavelength maxima at 535 ± 3 nm	14.7 – 16.3 10.5 – 11.6	5.8 – 6.5 mg/L 4.2 – 4.64 mg/L
<b>TOTAL DYE CONTENT:</b>	29.7 – 38.8	
<b>WATER CONTENT</b> Method of test: Karl Fischer	≤ 0.2	%m/m
<b>INSOLUBLES CONTENT</b> 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
<b>DENSITY AT 15°C</b>	ASTM D7042 modified	0.91 – 0.99 Kg/L	0.95 Kg/L
<b>FLASH POINT</b>	IP 34/ ASTM D93	>61°C	71°C
<b>TEMPERATURE OF CRYSTALLISATION</b>	-	< -25°C	-
<b>VISCOSITY AT 20 °C</b>	ASTM D7042 modified	< 10 cPs	5 cPs
<b>VOLATILE ORGANIC CONTENT ACCORDING TO SWISS REGULATIONS</b>	-	61.2 – 70.3%	69.6%

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

#### TYPICAL USE AND APPLICATION:

This product can be used for the addition to heating oil in accordance with Swiss National regulations.

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.

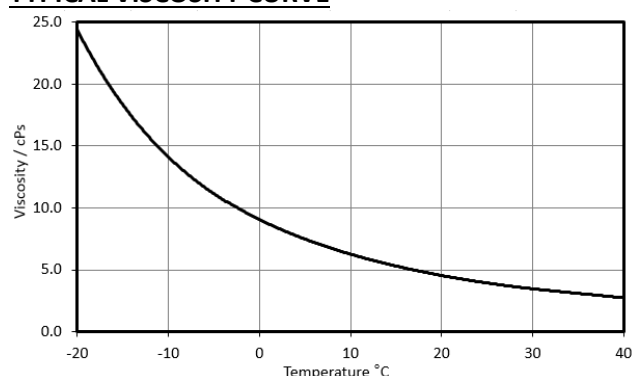
#### **TYPICAL ADDITION RATE:**

This product is designed to be used at a dosage of 1 kilo to 25,000 litres, or 40 mg/L in accordance with national REGULATIONS.

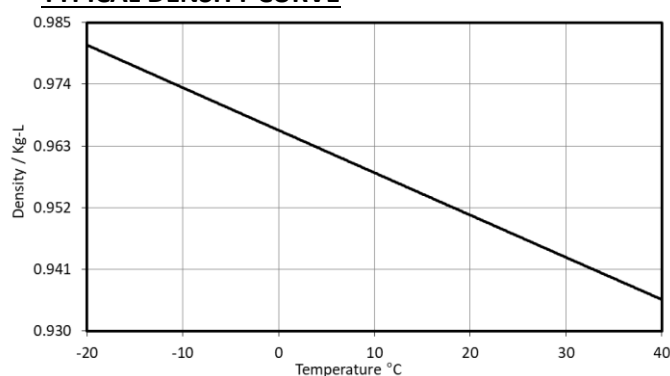
#### **APPEARANCE**

DYEGUARD® SWISS RED MCY is a free-flowing dark red 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.

#### DISCLAIMER

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