

## **SPECIFICATION**

### **ANALYSIS**

	<b><u>RANGE</u></b>	<b><u>UNITS</u></b>
<b>C.I. SOLVENT YELLOW 124 at 40mg/L</b> Method of test: HPLC	6.0 – 9.0	mg/L
<b>COLOUR APPEARANCE</b> Method of test: visual assessment	VISIBLY RED	
<b>WATER CONTENT</b> Method of test: Karl Fischer	≤ 0.1	%m/m
<b>INSOLUBLES CONTENT</b> Method of test: derived from IP 216 / ASTM D2276	≤ 0.1	%m/m

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

### **TYPICAL PROPERTIES**

<b>PARAMETER</b>	<b>METHOD</b>	<b>RANGE</b>	<b>TYPICAL</b>
<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	69°C
<b>TEMPERATURE OF CRYSTALLISATION</b>	-	< -20°C	-
<b>VISCOSITY AT 20 °C</b>	ASTM D7042 modified	< 10 cPs	5 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 can be used for the colouration of petroleum products, mineral oils, aliphatic and aromatic hydrocarbon solvents and fuels. 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.



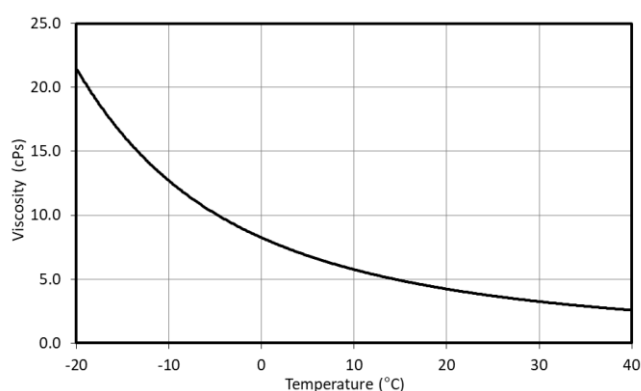
#### **TYPICAL ADDITION RATE:**

This product is designed to be used at a dosage of 1 kilo to 25,000 litres, or 40 mg/l, to mark fuel oils in accordance with national regulations.

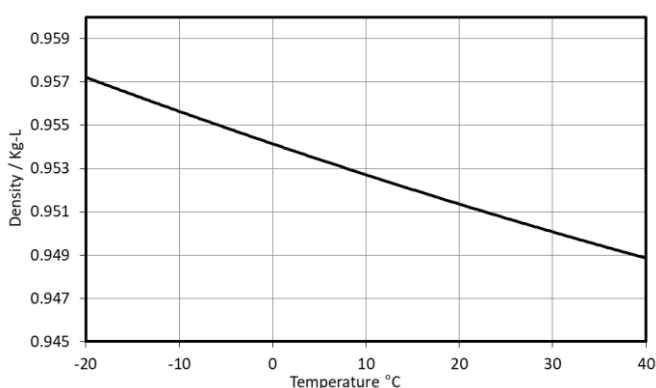
#### **APPEARANCE**

DYEGUARD® RED MC25Y 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

THE INFORMATION CONTAINED HEREIN IS TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND OF USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY FOLLOWING THESE SUGGESTIONS. NOTHING CONTAINED HEREIN IS TO BE CONSTRUED AS A RECOMMENDATION FOR USE IN VIOLATION OF ANY PATENTS OR OF APPLICABLE LAWS OR REGULATIONS. © 2019 JOHN HOGG TECHNICAL SOLUTIONS LTD, ALL RIGHTS RESERVED