

#### SPECIFICATION

The addition of 1 Kg Dyeguard® Blue MCR2Y into 2,000L (or 500 mg Dyeguard® Blue MCR2Y into 1L) will ensure the given specification below. This specification is in accordance with the Romanian Legislation – Emergency Ordinance Number 24 – from the 06/06/2012 amending and supplementing law Nr 571/2003, the operation of marking and colouring of fuel oil and equivalent products, with dye marker C.I Solvent Yellow 124 and C.I Solvent Blue 35.

#### ANALYSIS

##### **C.I. SOLVENT YELLOW 124**

at 500 mg/L in fuel

Method of test: HPLC

#### RANGE

7.0 ± 10%

#### UNITS

mg/L

##### **C.I SOLVENT BLUE 35**

at 500 mg/L in fuel

Method of test: Spectrophotometer

25 ± 10%

mg/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	0.95 – 1.03 kg/L	0.99 kg/L
FLASH POINT	IP 34/ ASTM D93	>61°C	86°C
TEMPERATURE OF CRYSTALLISATION	-	< -20°C	-
VISCOSITY AT 20 °C	ASTM D7042 modified	< 10 cPs	4 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 addition to heating oil in accordance with Romanian 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.

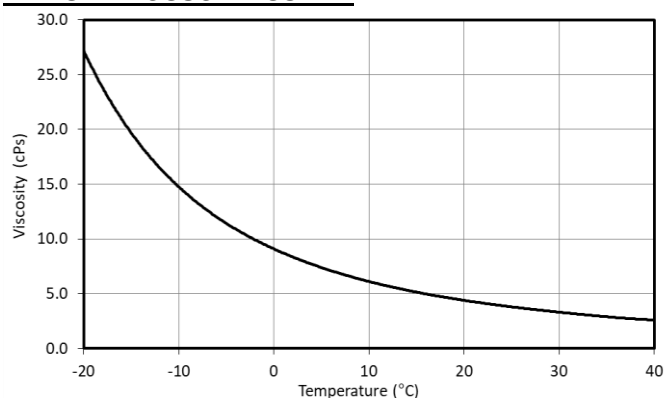
#### **TYPICAL ADDITION RATE:**

This product is designed to be used at a dosage of 1 kg to 2,000 L bunker fuel or 500mg/L.

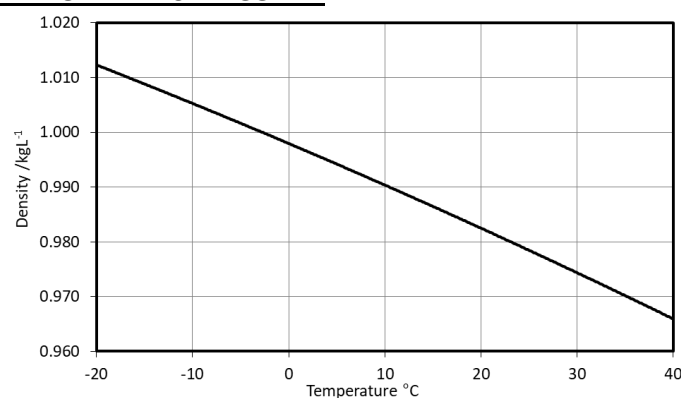
#### **APPEARANCE**

DYEGUARD® BLUE MCR2Y is a free-flowing blue/green 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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