



# Esso Domestic Oil/Regular Kerosene

## Marketing Technical Bulletin

### Product

Esso Domestic Oil or  
Esso Regular Kerosene

### Appearance

} Clear liquid,  
Straw yellow in colour.

### Specification

} BS 2869: 1998 Class C2 and amendments

*This product contains chemical markers, including Euromarker, added in accordance with HM Customs & Excise requirements. Euromarker, which was introduced in 2002, gives the product a noticeable straw colour.*

### Application

Small, domestic central heating/cooking units employing vaporising or pressure jet burners. Also used as an industrial solvent and for industrial/commercial processes where a low sulphur fuel is required.

**Not recommended** for use in unflued appliances or for CO<sub>2</sub> enrichment of glasshouse atmospheres. **DO NOT USE AS A FUEL FOR AVIATION PURPOSES**

### Quality Data

Parameter (BS-Methods)	Units	BS or HM Customs & Excise Limit		Esso Typical
		Min	Max	
Appearance	Visual	Clear & Bright		Clear & Bright
Density @15°C	kg/m <sup>3</sup>	-	-	799
Viscosity @ 40°C	mm <sup>2</sup> /s	1.00	2.00	1.21
Distillation Recovered @ 200°C	% V/V	15	-	52
Recovered @ 210°C	%V/V	-	90	65
Recovered @ 240°C	% V/V	50	-	91
Final Boiling Point	°C	-	300	257
Flash point	°C	38.0	-	41.4
Sulphur content	%(m/m)	-	0.2	0.1
Copper strip corrosion	rating	Class 1		Class 1
Smoke point	mm	19	-	23
Char value	mg/kg	-	20	8

### Additional Technical Information

<b>Specific Energy</b>	Gross	46.56	MJ/kg
	Net	43.61	MJ/kg
<b>Mean Specific Heat Capacity</b> (between 0°C and 100°C)		2.077	KJ/kg °C
<b>Volume Correction Factor</b>		0.0009	Per °C
<b>Freezing Point</b>		-48	°C

### Useful Conversions

Multiply this	By this	To obtain this
MJ/kg	429.923	Btu/lb
MJ/kg	Density	MJ/Litre
Kg/l	1000	Kg/m <sup>3</sup>

  

Divide this	By this	To obtain this
MJ/litre	105.506	Therms/litre

*Specific Energy calculated using BS2869*

*'Typicals' are expected qualities based on recent historical data and should therefore not be considered a guarantee of quality*

**For Health & Safety information refer to the most current version of the product MSDS**