



Specifications of Methylcyclopentadienyl Manganese Tricarbonyl,
(62% MMT)

Product name	TDS-1510 (62% MMT, 15.1% Manganese)
CAS No.	12108-13-3
Molecular Weight	218.10
Molecular Formula	$C_9H_7MnO_3$
Color	0 Min.
Purity of MMT	$\geq 62\%$
Mn. Content, Min wt %	$\geq 15.1\%$
Solvent, % w/w	$\leq 38.0\%$
Flash point (20°C)	42degree Celsius Min.
Freeze point	- 18 degree Celsius
V.P - 0.2 MMHG	at 20 degree Celsius
SP.GR	- 1.15 G/ M LTR
(Initial boiling point) I.B.P	- 179 degree Celsius
E.B.P	- 212 degree Celsius
Density (20°C, g/cm ³)	1.10 ~ 1.125 = 1.0 water
Viscosity- 2.2 CST	at 20 degree Celsius
Viscosity- 3.5 CST	at 0 degree Celsius
Coefficient of Thermal Expansion	- 0.00099 GM/ML/C
Pour point °C(melt point)	- 1°C
Water content, %, w/w	0.007
Sediment content, %, w/w	0.05
Shelf life time	Quality of TDS-1510 in ambient temperature at least 36 Months