



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	Dark brown
Purity of MMT	62% $\geq$
Mn. Content, Min wt %	15.1%
Aniline category, % w/w	38.0%
Flash point,	74.1 degree Celsius Min. / test environment condition 28°C / Relative humidity 58% / Atmospheric pressure 1005hkPa
Freeze point	-40 degree Celsius
V.P - 0.2 MMHG	at 20 degree Celsius
<u>SP.GR</u>	- 1.15 G/ M LTR
I.B.P	150 degree Celsius
E.B.P	212 degree Celsius
Density (20°C, g/cm <sup>3</sup> )	1.10 ~ 1.20 = 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	0.05
Sediment content, %, w/w	0.05
Shelf life time	Quality of TDS-1510 in ambient temperature at least 36 Months
Storage	Because its flash point reaches at 74.1°C, it can be stored with storage condition as normal goods.
Remarks	TDS-1510 (62% MMT) with a flash point at 74.1°C is more effective to increasing octane No. than (62% MMT) with a flash point at 42°C .