

Product name	Methylcyclopentadienyl Manganese Tricarbonyl		
CAS No.	12108-13-3		
Molecular Weight	218.10		
Molecular Formula	C ₉ H ₇ MnO ₃		
Appearance	Orange liquid		
Recommended Dosage	Typically used at dosages of 8 to 18mg Mn/Liter		
TDS Item No.	TDS-2440	TDS-1510	
Purity	98%	62%	
Manganese content wt% (minimum)	24.40%	15.10%	
Specific Gravity @ 20°C	1.38	1,11	
Flash Point °C	96°F	52°C min.	
Boiling Point	232~233°C /760mmHg	---	
ACGIH	0.2 mg/m ³ as Mn.	---	
NIOSH	0.2 mg/m ³ TWA	---	
OSHA Vacated PELs	As Mn. 0.2 mg/m ³ TWA	---	
TLV (as Mn)	Ppm; 0.2 mg/m ³ (skin)	---	
Odor	Herbaceous odor	Herbaceous odor	
Vapor Pressure @ 20°C	7mmHg/100°C	1.6mm Hg	
Vapor Density	≥1.0	---	
Solubility in water	10ppm(20°C)	---	
Freezing Point °C	-1 deg °C	-22deg °C	
Viscosity @ 20°C	3.90 CP(25°C)	1.50	
N.heptane	---	---	
Xylene	---	---	
Orange dye	---	0.0183	
Inserts	---	0.05	
Weight per US gallon	---	9.28lbs	
Exposure Limits			
Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Methylcyclopentadienyl Manganese Tricarbonyl,	0.2 mg/m ³ (as Mn); as Mn: skin potential for cutaneous absorption	0.2 mg/m ³ TWA	None listed
TDS CHEMICAL CORP., LTD.			