

Bin	Boiling Range (degrees F)	Criteria	MIR Value (July 18, 2001)		MIR Value October 2, 2010	
1	80-205	Alkanes (< 2% Aromatics)	2.08		1.42	Isohexane, Hexane,
6	>205-340	Alkanes (< 2% Aromatics)	1.41		1.17	200-230, VMP, Mineral Spirits, 300-360
11	>340-460	Alkanes (< 2% Aromatics)	0.91		0.70	142 Flash, AGL LVP
Bin	Organic Compound	MIR Value (July 18, 2001)	New MIR Value (October 2, 2010)	Evaporation Rate		Evaporation Rate
20	cyclohexane	1.46	1.25	6.00		
24	n-heptane	1.28	1.07	3.30		
423	toluene	3.97	4.00	1.80		
424	ethyl benzene	2.79	3.04	2.70		
425	m-xylene	10.61	9.75	0.70		
426	o-xylene	7.49	7.64	0.60		
427	p-xylene	4.25	5.84	0.70		
619	methanol	0.71	0.67	2.10		
621	isopropyl alcohol	0.71	0.61	1.60		
622	n-propyl alcohol	2.74	2.50	2.00		
623	isobutyl alcohol	2.24	2.51	0.90		
624	n-butyl alcohol	3.34	2.88	0.30		
625	sec-butyl alcohol	1.60	1.36	1.30		
626	tert-butyl alcohol	0.45	0.41	1.05		
717	methyl acetate	0.07	0.07	3.10		
719	ethyl acetate	0.64	0.63	2.80		
724	isopropyl acetate	1.12	1.07	2.30		
730	isobutyl acetate	0.67	0.62	1.60		
732	n-butyl acetate	0.89	0.83	1.00		
743	ethyl 3-ethoxy propionate	3.61	3.58	0.20	Ester EEP	
811	dimethyl carbonate; DMC	0.06	0.06	3.20		
812	propylene carbonate	0.25	0.28	<0.01		
814	2-methoxyethyl acetate	1.18	1.15	0.30	Glycol Ether EM Acetate	
817	1-methoxy-2-propyl acetate	1.71	1.70	0.40	PM Acetate	
818	2-ethoxyethyl acetate	1.90	1.84	0.20	Glycol Ether EE Acetate	
826	2-butoxyethyl acetate	1.67	1.62	0.10	Glycol Ether EB Acetate	
830	dipropylene glycol methyl ether acetate isomer # 1	1.41	1.38	0.05	Glycol Ether DPM Acetate	
831	dipropylene glycol methyl ether acetate isomer # 2	1.58	1.52	0.05	Glycol Ether DPM Acetate	
832	dipropylene glycol methyl ether acetate isomers	1.49	1.45	0.05	Glycol Ether DPM Acetate	
834	2-(2-butoxyethoxy) ethyl acetate	1.38	1.38	0.04	Glycol Ether DB Acetate	
843	ethylene glycol	3.36	3.13	0.01		
844	propylene glycol	2.75	2.58	0.01		
846	glycerol	3.27	3.15	0.0001	Glycerine	
856	1,3-dioxolane	5.47	4.96	4.00		
858	tetrahydrofuran	4.95	4.31	8.00		
861	1-methoxy-2-propanol	2.62	2.44	0.30	Glycol Ether PM	
862	2-ethoxy-ethanol	3.78	3.71	0.20	Glycol Ether EE	
865	diethylene glycol	3.55	3.35	0.005		
873	1-ethoxy-2-propanol	3.25	3.09	0.30	Glycol Ether PE	
874	2-propoxy-ethanol	3.52	3.30	0.15	Glycol Ether EP	
885	1-propoxy-2-propanol; propylene glycol n-propyl ether	2.86	2.68	0.20	Glycol Ether PnP	
886	2-butoxy-ethanol	2.90	2.90	0.08	Glycol Ether EB	
889	2-(2-ethoxyethoxy) ethanol	3.19	3.26		Glycol Ether DE	
895	n-butoxy-2-propanol; propylene glycol n-butyl ether	2.70	2.72	0.05	Glycol Ether PnB	
896	2-(2-propoxyethoxy) ethanol	3.00	2.85	0.40	Glycol Ether DM	
897	dipropylene glycol methyl ether; 1-methoxy-2-(2-hydroxypropoxy)-propane	2.21	1.98	0.05	Glycol Ether DPM	
906	2-(2-butoxyethoxy)-ethanol	2.87	2.39	0.02	Glycol Ether DB	
917	glycol ether DPnB; dipropylene glycol n-butyl ether; 1-(2-butoxy-1-methylethoxy)-2-propanol	1.96	1.83	0.03	Glycol Ether DPnB	
919	tripropylene glycol monomethyl ether	1.90	1.92	0.01	Glycol Ether TPM	
922	acetone	0.43	0.36	5.60		
924	methyl ethyl ketone	1.49	1.48	3.80		
932	cyclohexanone	1.61	1.35	0.30		
934	4-methyl-2-pentanone; methyl isobutyl ketone	4.31	3.88	1.60		
952	di-isobutyl ketone; 2,6-dimethyl-4-heptanone	2.94	2.68	0.20		
966	diacetone alcohol	0.68	0.60	0.12		
990	benzyl alcohol*	4.98	5.11	0.007		
1005	diethyl phthalate*	1.56	1.62	<0.0001		
1044	trans-1,2-dichloroethene	0.81	1.70	4.50		
1099	monochlorobenzene	0.36	0.32	0.40		
	Dibasic Ester - depending on mixture		0.44 - 0.60	0.05 - 0.10		