

	Straight-run benzine (Rumanian mineral oil)		Benzine from hydrogenation					Hard coal benzin- ising
	high paraf- finic	octanic	Esthonian shale oil	Soft coal tar pre-hyd- rogenat- ion	Soft coal ben- zinis- ing	Soft coal pre-hyd- rogenat- ion	ben- zin- ising	
			Properties					
Specific weight, 18°	0.770	0.780	0.780	0.780	0.775	0.781	0.782	0.785
Yield at 100°C, in vol %	57	52	53	61	56	52	48	50
End point, °C	165	165	165	160	165	165	165	166
			Constitution					
Paraffins, vol %	38	27	29	32	36	31	22	26
Naphthenes, " "	12	23	20	18	15	19	17	24
Aromatics and olefines, vol %	50	50	51	50	49	50	51	50
			Knock Resistance					
Total benzine, O.N. (Motor Method)	80 ₅	84	79	78	80	79	80 ₅	84 ₅
Total benzine with 0.12% Pb, O.N.	93	94	90	89	92	91	93 ₅	96 ₅
Total O.N.	90 ₅	94	89	91	92	91	94	94
Residual benzine, O.N.	66	74	65	62	66	68	70	75
I.G. Farbenindustrie AG., Ludwigshafen 1941	High-Performance Aviation Fuels after DED Process				High Pressure Research Department			