

# METHYL-TERT.-BUTYLETHER (MTBE)

## DRIVERON®

### CAS NO.

1634-04-4

### APPLICATIONS & PROPERTIES

MTBE is a colorless liquid used as a gasoline-octane enhancer to increase the octane number during fuel blending.

### TRANSPORT & LOGISTICS

The delivery takes place in rail tank cars, barges and seagoing vessels.

### APPLICATION FIELDS

- Increase octane number
- For cleaner combustion of gasoline
- MTBE enables the use of powerful, fuel-efficient gasoline engines

### SPECIFICATION

Property	Value	Unit	Method
MTBE	min. 98	% (m/m)	GC: AA-0785-04-019 <sup>1)</sup>
Hydrocarbons till C8	max. 0,5	% (m/m)	GC: AA-0785-04-019 <sup>1)</sup>
Tert.-Butanol	< 1	% (m/m)	GC: AA-0785-04-019 <sup>1)</sup>
Methanol	max. 1	% (m/m)	GC: AA-0785-04-019 <sup>1)</sup>
Water	max. 500	mg/kg	AA-0785-04-033 <sup>1)</sup>
Blend Research octane number	116,5 <sup>2)</sup>		DIN EN ISO 5164
Blend Motor octane number	102,1 <sup>2)</sup>		DIN EN ISO 5163

<sup>1)</sup> Inhouse method   <sup>2)</sup> Literature value

## PHYSICAL PROPERTIES (LITERATURE DATA)

Property	Value (approx.)	Unit
Molar mass	88,15	g/mol
Oxygen Content	18,2	%
Boiling point at 1013 hPa	55,3	°C
Heat of combustion at 25 °C	-38,22	MJ/kg
Viscosity at 20°C	0,36	mPa s
	0,49	mm <sup>2</sup> /s

## VAPOR PRESSURE

°C	-10	0	10	20	30	40
hPa	64	108	174	271	409	599

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