

25 February to 4 March 2025

Automotive gasoline**Group 1**

Carcinogenic to humans

Sufficient evidence in humans for bladder cancer and acute myeloid leukaemia.

Limited evidence in humans for non-Hodgkin lymphoma (including chronic lymphocytic leukaemia), multiple myeloma, myelodysplastic syndromes, cancers of the stomach and kidney, and childhood acute lymphoblastic leukaemia.

Strong mechanistic evidence in exposed workers



Genotoxicity



Oxidative stress



Chronic inflammation

Oxygenated gasoline additives**MTBE ETBE****Group 2B**

Possibly carcinogenic to humans

TBA**DIPE****TAME****Group 3**

Not classifiable as to its carcinogenicity to humans

Main uses

MTBE, ETBE, TBA, DIPE, and TAME are volatile compounds added to gasoline to increase combustion efficiency, especially since the phase-out of leaded gasoline.

Who is exposed to these agents?

Service station attendants, mechanics, and workers in production and transportation of gasoline. The general population via air pollution or gasoline vapours at service stations.