

Abstract

High octane number composition useful as fuel for internal combustion and controlled ignition engine

The present invention discloses a fuel composition useful for internal combustion engine having an
5 Octane Number from 95 to 105 comprising:

(a) an unleaded and devoid of organometal compounds base gasoline having an Octane
Number (RON) from 90.1 to 103:

(b) one or more aromatic amines selected in the group consisting of:

(b1) 2,4-dialkylaniline, wherein the alkyl groups in position 2 and 4, independently one from
10 the other, are selected in the group consisting of methyl, ethyl, n-propyl, iso-propyl, preferably both
the alkyl groups in position 2 and 4 are methyl;

(b2) N-Nitrosodiphenylamine.

The process for preparing the above composition is also described along with the use of the aromatic
amines selected between (b1) and (b2) and related mixtures for increasing the Octane Number.