

Title (en)

AN ENVIRONMENTAL FRIENDLY LIGHT HYDROCARBON FUEL FOR VEHICLES

Title (de)

UMWELTFREUNDLICHER KRAFTSTOFF AUF BASIS VON LEICHTEN KOHLENWASSERSTOFFEN

Title (fr)

CARBURANT ÉCOLOGIQUE À BASE D'HYDROCARBURE LÉGER POUR VÉHICULES

Publication

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Application

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Abstract (en)

The present invention discloses an environmental-friendly vehicle light hydrocarbon fuel, with contents of its components as below according to part by weight: (1) Light hydrocarbon: 100 parts by weight; (2) aromatic hydrocarbon: 4#1/460 parts by weight; (3) lead free antiknock: 0#1/420 parts by weight; (4) cation fluorocarbon surfactant: 0#1/40.2 parts by weight; and (5) surface active increased superscript agent: 0.001#1/42 parts by weight. The product of the present invention can increase auto-ignition temperature of the fuel, improve distillation range distribution of the fuel, increase burning velocity of the fuel, enhance power and reduce abrasion of an engine, avoid the formation of piston carbon, and lower consumption of the fuel, with a calorific value #¥ 42000 KJ/kg, being a novel substitute vehicle fuel that is energy saving, environmental-friendly, and cost effective.

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