

**Formulations of denatured alcohol treated
as exempt under Article 27 (1) (b)
in HUNGARY (2011)**

Denaturants		Mass percent referred to pure ethyl alcohol, at least	Amount added to 100 hld* alcoholic preparation, at least
1	Denatonium benzoate (denaturing agent type I)	0.001	0.79 grams
2	Diethyl phthalate (denaturing agent type II),	0.5	0.36 litres
3	Methyl-ethyl-ketone (denaturing agent type III)	0.5	0.5 litres
4	Ethyl acetate (denaturing agent type IV, exclusively for ethyl acetate manufacturing)	3	
5	Xylene (denaturing agent type V, exclusively for acetochlor manufacturing)	3	
6	Ethyl-tertio-butyl-ether, ETBE (for the production of the bioethanol component of low-blend /up to 5%/ petrol)	1	
7	Isobutanol (for the production of the bioethanol component of E85)	2	
*hld= hectoliter-degree: 1 hld corresponds to 1 litre 100 % by volume of ethyl alcohol (measured at 20 °C)			

Remarks:

The minimum alcohol content of the denatured alcoholic preparation must be 92 % by volume.

In special circumstances some other denaturants or denaturing methods may also be accepted with the allowance of the excise offices on condition that the finished preparation will not be fit for human consumption.