



BioDea

Natural Antioxidant

USE OF BIODEA WOOD DISTILLATE AS NATURAL ANTIOXIDANT AND FOR "FOOD SMOKING" AS LIQUID SMOKE



BioDea is studying the use of the Wood Distillate as "liquid smoke" to impart the scent of smoke to food products without having to undergo them to a real smoke process.

The use of liquid smoke in Italy, for example by nebulization, is regulated by Legislative Decree n. 107 of January, 25th 1992 in implementation of Council Directives 88/388/EEC and 91/71/EEC related to food flavours used in the food industry and to the

basic materials used for their preparation, which indicates as a threshold of 3,4-Benzopyrene admitted in a maximum amount of 0.03 mg / kg in food.

As an indication of purity, the Legislative Decree states that "smoke must be obtained as a result of combustion of wood or plants or parts of them in their natural state, with the exception of wood or plants that are impregnated, coloured, glued, painted or treated".



CURRENTLY USED PRESERVATIVES AND ANTIOXIDANTS THAT MUST BE AVOIDED

E210 Benzoic Acid
 E211 Sodium benzoate
 E212 Potassium benzoate
 E213 Calcium benzoate
 E214 ethyl p-hydroxybenzoate
 E215 Sodium ethyl-p-hydroxybenzoate
 E216 propyl p-hydroxybenzoate
 E217 Sodium propyl-p-hydroxybenzoate
 E218 methyl p-hydroxybenzoate
 E219 Sodium methyl-p-hydroxybenzoate
 E220 Sulfur dioxide
 E221 Sodium sulfite
 E222 Sodium bisulfite
 E223 Sodium metabisulfite
 E224 Potassium metabisulfite

E225 Calcium metabisulphite
 E226 Calcium sulphite
 E227 Calcium bisulfite
 E228 Potassium acid sulphite
 E230 Biphenyl, diphenyl
 E231 Ortho-phenylphenol
 E232 Ortho-phenylphenol sodium
 E233 Thiabendazole
 E235 Natamycin
 E239 Hexamethylenetetramine
 E242 Dimethyldicarbonate
 E249 Potassium nitrite
 E250 Sodium nitrite
 E251 Sodium nitrate
 E252 Potassium nitrate

E310 Propyl gallate
 E311 Octyl gallate
 E312 Dodecyl gallate
 E315 Erythritic acid
 E316 Sodium erythrobate
 E320 Butylhydroxyanisole



BIODEA – RM GROUP ENERGY SOLUTIONS

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