

Outline of the Amendment of the Cabinet Ordinance and the Ministerial Ordinance  
for the Law for the Control of Household Products Containing Harmful Substances (draft)

To designate dibenz(a,h)anthracene, benz(a)anthracene and benzo(a)pyrene as “Harmful Substances” in accordance with the aforementioned Law.

To regulate creosote-oil-containing wood preservatives or wood repellents for household use so that the concentration of dibenz(a,h)anthracene, benz(a)anthracene and benzo(a)pyrene contained in them should be 10 ppm or less

To regulate woods for household use treated with creosote oil or its mixture so that the concentrations of dibenz(a,h)anthracene, benz(a)anthracene and benz(a)pyrene contained in them should be 3 ppm or less.

<Information on those chemical substances>

[1] dibenz(a,h)anthracene

IUPAC name: 1,2:5,6-Dibenzanthracene

Molecular weight: 278.4       $C_{22}H_{14}$

Cas. No.: 53-70-3

Boiling point: 524 degrees C

Melting point: 267degrees C

Appearance: Colorless crystalline powder

[2] benz(a)anthracene

IUPAC name: 1,2-Benzoanthracene

Molecular weight: 228.3       $C_{18}H_{12}$

Cas. No.: 56-55-3

Melting point: 162 degrees C

Appearance: Colorless or yellow-brown fluorescent powder

[3] benz(a)pyrene

IUPAC name: 3,4-Benzopyrene

Molecular weight: 252.3       $C_{20}H_{12}$

Cas. No.: 50-32-8

Boiling point: 310-312 degrees C (1.3kPa)

Melting point: 179 degrees C

Appearance: yellow crystal or powder