

Annex 3. Management Criteria for Substances of Environmental Concern (Packaging Materials)

Chemical substances that are prohibited from inclusion in packaging materials are indicated below. The concentrations at which these chemical substances are included in said materials must be at or under the threshold values.

1. Prohibited substances

No.	Substance/Category	Main laws and ordinances	Application(s)	Threshold Level	Examples of Use
1	Specific Heavy Metals Cd/Cd Compounds; CrVI Compounds; Pb/Pb Compounds; Hg/Hg Compounds	• EU 94/62/EC Directive • US State Toxics in Packaging (TIP)	All	• Intentionally added • 0.01% by weight (100 ppm) of the sum of Cd, Hg, Pb & CrVI in the material	Pigment, paint, stabilizer for PVC
Representative examples of relevant substance					
Cadmium/Cadmium Compounds					CAS No.
Cadmium					7440-43-9
Cadmium oxide					1306-19-0
Cadmium sulfide					1306-23-6
Cadmium chloride					10108-64-2
Cadmium sulfate					10124-36-4
Other cadmium compounds					—
Chromium VI Compounds					CAS No.
Chromium (VI) oxide					1333-82-0
Barium chromate					10294-40-3
Calcium chromate					13765-19-0
Lead (II) chromate					7758-97-6
Lead chromate molybdate sulphate red					12656-85-8
Lead sulfochromate yellow					1344-37-2
Sodium chromate					7775-11-3
Sodium dichromate					10588-01-9
Strontium chromate					7789-06-2
Potassium dichromate					7778-50-9
Potassium chromate					7789-00-6
Potassium hydroxyoctaoxidizincatedichromate					11103-86-9
Pentazinc chromate octahydroxide					49663-84-5
Zinc chromate					13530-65-9
Other chromium VI compounds					—
Lead/lead Compounds					CAS No.
Lead					7439-92-1
Lead (II) sulfate					7446-14-2
Lead (II) carbonate					598-63-0
Lead (II) chromate					7758-97-6
Lead chromate molybdate sulphate red					12656-85-8
Lead hydrocarbonate					1319-46-6
Lead acetate					301-04-2
Lead (II) acetate, trihydrate					6080-56-4
Lead phosphate					7446-27-7
Lead selenide					12069-00-0
Lead (IV) oxide					1309-60-0
Lead (II, IV) oxide					1314-41-6
Lead (II) sulfide					1314-87-0
Lead (II) oxide					1317-36-8
Lead (II) carbonate basic					1319-46-6
Lead hydroxidcarbonate					1344-36-1
Lead hydrogen arsenate					7784-40-9
Lead (II) phosphate					7446-27-7
Lead sulfochromate yellow					1344-37-2
Lead (II) titanate					12060-00-3
Lead sulfate, sulphuric acid, lead salt					15739-80-7
Lead sulphate, tribasic					12202-17-4
Lead stearate					1072-35-1
Lead azide					13424-46-9
Lead dipicrate					6477-64-1
Lead styphnate					1524544-0
Other lead compounds					—
Mercury /Mercury Compounds					CAS No.
Mercury					7439-97-6
Mercuric chloride					33631-63-9
Mercury (II) chloride					7487-94-7
Mercuric sulfate					7783-35-9
Mercuric nitrate					10045-94-0
Mercuric (II) oxide					21908-53-2
Mercuric sulfide					1344-48-5
Other mercury compounds					—