

## CLASSIFICATION OF SPECIAL LABORATORY WASTE

<b>GROUP 1</b>	<p><b>ORGANIC HALOGEN COMPOUNDS (more than 2% in halogens; Chlorine, bromine and fluorine)</b></p> <p>1.- Chlorinated solvents * Chloroform, methylene chloride, perchlorethylene, carbon tetrachloride, perchlorethylene, etc.</p> <p>2.- Brominated, iodized and fluorinated solvents;</p> <p>3.- Halogenated organic solids; * Bisbenzimidazole, dichlorofluorene, methyl methacrylate, hexachlorobenzene, sodium trichloroacetate, etc.</p> <p>4.- Halogenated organic acids; * Mono-, di- and trichloroacetic, trifluoroacetic acids, etc.</p>
<b>GROUP 2</b>	<p><b>NON-HALOGEN ORGANIC COMPOUNDS (less than 2% in halogens; Chlorine, bromine and fluorine)</b></p> <p>1.- Dissolvents no halogenats (liquids, mescles de dissolvent i aigua, i dissolvents amb un contingut d'àcid inferior al 10%); * Ketonos (acetones, ciclohexanone), alcohols (metanol, etanol, ethylene glycol, phenol), aldehydes (acetaldehide), nitriles (acetonitrile), aliphatic hydrocarbons (hexane) and aromatic hydrocarbons (toluene)</p> <p>2.- Non-halogenated organic solids (organic solids and salts); * Anthracene, sodium acetate, potassium acetate, diphenylamine, naphthalene, sodium benzoate, etc.</p> <p>3.- Non-halogenated organic acids (non-halogenated mixtures with an acid content of more than 10%); * Acetic acid, benzoic acid, EDTA, glycine, etc.</p>
<b>GROUP 3</b>	<p><b>ORGANIC OR HIGH COD AQUEOUS SOLUTIONS</b></p> <p>1.- Aqueous solutions of dyes; * Methyl orange, phenolphthalein.</p> <p>2.- Aqueous solutions of organic fixatives; * Glutaraldehyde</p> <p>3.- Aqueous chromatography effluents;</p> <p>4.- Acidic organic aqueous solutions; water+methanol+acetic acid.</p>
<b>GROUP 4</b>	<p><b>INORGANIC COMPOUNDS</b></p> <p>1.- Heavy metals (solid or dissolved residues of these metals, and salts of these elements); * Silver, selenium, copper, lead, etc., except those classified as CMR (carcinogenic, mutagenic or toxic for reproduction), which go to group 14.</p> <p>2.- Inorganic compounds of other metals (solid or dissolved residues of these metals, and salts of these elements); * Fixers from the photographic development process.</p> <p>3.- Non-metallic inorganic compounds (solid or dissolved waste, and salts of these elements); * Sulphates, phosphates and carbonates of alkaline or alkaline earth metals, silicates.</p>
<b>GROUP 5</b>	<p><b>INORGANIC ACIDS</b></p> <p>1.- Concentrated acids (those with an acid concentration greater than 10%); * Hydrochloric acid, glacial acetic acid, sulfuric acid, nitric acid, etc.</p> <p>2.- Prepared mixtures of acids;</p> <p>3.- Acid solutions of heavy metals (with an acid concentration higher than 10%, since if it is lower it corresponds to group 4);</p> <p>4.- Diluted acids;</p>
<b>GROUP 6</b>	<p><b>INORGANIC BASES</b></p> <p>1.- Oxides and hydroxides; * Sodium hydroxide, potassium hydroxide, etc.</p> <p>2.- Ammoniacal compounds; * Ammonium carbonate, ammonium chloride, etc.</p>
<b>GROUP 7</b>	<p><b>OILS</b></p> <p>1.- Mineral oils; * Derived from maintenance operations, general service of vacuum pumps, heating baths, etc.</p> <p>2.- Vegetable oils;</p>
<b>GROUP 8</b>	<p><b>HIGHLY HAZARDOUS WASTE</b></p> <p>1.- Very toxic substances; * Osmium tetroxide, chromic mixture, inorganic cyanides, sulphides, biphenyl polychlorates, mercury, etc.</p> <p>2.- Deadly substances (carcinogenic, mutagenic or toxic for reproduction); * All products that, according to Regulation (EC) 1272/2008, are classified as deadly such as osmium tetroxide, inorganic cyanides, mercury, PCBs, etc.</p> <p>3.- Sensitizing substances;</p> <p>4.- Oxidizers; * Peroxides, hyperperoxides, peroxyethers, chromic acid, metal nitrates and any product with the corresponding pictogram on the label.</p> <p>5.- Explosives; * Ammonium nitrates, silver or copper, picric acid, acrylic acid and any product with the corresponding pictogram on the label.</p> <p>6.- Pyrophoric substances; * Magnesium metal, white phosphorus, etc.</p> <p>7.- Highly reactive substances: * to the water; Alkali metals, fuming acids, acid chlorides, phosphorus pentoxides, hydrides, etc. * in the air (flammable); White phosphorus, magnesium metal powder, etc. * to acids; Arsenic, cyanides, sulphides, fluorides, etc.</p> <p>8.- Unidentified substances.</p>
<b>GROUP 9</b>	<p><b>OBSOLETE PURE REAGENTS</b></p> <p>1.- Products in a solid or liquid state that cannot be reused, and which are usually in their original packaging.</p>
<b>GROUP 10</b>	<p><b>CONTAMINATED SOLIDS</b></p> <p>1.- Contaminated single-use material; * Masks or mask filters, gloves, filter paper, gas display case filters, etc.</p> <p>2.- Other contaminated solids; * Absorbents impregnated intermediate and expired medicines, etc.</p>
<b>GROUP 11</b>	<p><b>CONTAMINATED PACKAGING</b></p> <p>1.- Plastic and glass containers contaminated with residues of chemical products detailed in groups 1 to 9.</p>
<b>GROUP 12</b>	<p><b>UNCONTAMINATED SANITARY (GROUP II SANITARY)</b></p> <p>1.- Inert and non-conventional waste; * Biologically innocuous tissue cultures and samples.</p> <p>2.- Waste contaminated with biological agents considered non-hazardous, and considered as conventional municipal waste; * Gross single-use material that has been in contact with these agents. IT CORRESPONDS WITH GROUP II OF DECREE 27/1999.</p>
<b>GROUP 13</b>	<p><b>BIOHAZARDOUS (SANITARY GROUP III)</b></p> <p>1.- Liquid or solid waste contaminated with biological agents; * Blood and blood derivatives in liquid form, secretions of human origin, cell cultures of animal or plant origin, cultures of microorganisms or tissue samples, contaminated non-punctured material (Petri plates, vials, instruments, etc.), vaccines live and dim, etc. Biosafety cabin filters (separately).</p> <p>2.- Cutting or punctured material waste or contaminated with biological agents or dangerous chemical products, except for clean glass that is collected separately with the glass fraction of municipal waste; * Pipettes, syringes, needles, scalpel blades, slides, coverslips, glass capillaries and tubes, broken reagent glass containers, etc. IT CORRESPONDS WITH GROUP III OF DECREE 27/1999.</p>
<b>GROUP 14</b>	<p><b>CYTOTOXIC (carcinogenic / mutagenic) SANITARY GROUP IV</b></p>
<b>GROUP 15</b>	<p><b>WASTE OF EXPERIMENTAL ANIMALS</b></p>
<b>GROUP 16</b>	<p><b>RADIOACTIVE WASTE</b></p>