















# Management of Hazardous Chemical Waste














## Hazardous Properties List







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## Hazardous Properties List

Please note examples given here could also have another hazardous property they are intended as an illustration alone.

Hazardous Property Number	Hazardous Property Name, category and descriptions	Example	Symbol	
			Old	GHS (Global Harmonised System)
H1	<b>Explosive (E)</b> <i>substances and preparations which may explode under the effect of flame or which are more sensitive to shocks or friction than dinitrobenzene.</i>	Dried picric acid		
H2	<b>Oxidising (O)</b> <i>substances and preparations which exhibit highly exothermic reactions when in contact with other substances, particularly flammable substances.</i>	Peroxides		
H3 (a)	<b>Extremely Flammable (F+) Highly Flammable (F)</b> <i>-liquid substances and preparations having a flash point below 21°C (including extremely flammable liquids); or - substances and preparations which may become hot and finally catch fire in contact with air at ambient temperature without any application of energy; or - solid substances and preparations which may readily catch fire after brief contact with a source of ignition and which continue to burn or be consumed after removal of the source of ignition; or - gaseous substances and preparations which are flammable in air at normal pressure; or - substances and preparations which, in contact with water or damp air, evolve highly flammable gases in dangerous quantities.</i>	Solvents- Ethanol, Methanol		
H3 (b)	<b>Flammable (F)</b> <i>liquid substances and preparations having a flash point equal to or greater than 21°C and less than or equal to 55°C.</i>	Some Paints , Adhesives		
H4	<b>Irritant (Xi)</b> <i>non-corrosive substances and preparations which, through immediate, prolonged or repeated contact with the skin or mucous membrane, can cause inflammation.</i>	Lanolin, weak acids and alkalis		
H5	<b>Harmful (Xn)</b> <i>substances and preparations which, if they are inhaled or ingested or if they penetrate the skin, may involve limited health risks.</i>	Detergents, Pesticides		

<p><b>H6</b></p>	<p><b>Toxic (T) Very toxic (T+)</b></p> <p><i>substances and preparations (including very toxic substances and preparations) which, if they are inhaled or ingested or if they penetrate the skin, may involve serious, acute or chronic health risks and even death.</i></p>	<p>Heavy metals</p>		
<p><b>H7</b></p>	<p><b>Carcinogenic (Carc.Cat. 1, 2 &amp; 3)</b></p> <p><i>substances and preparations which, if they are inhaled or ingested or if they penetrate the skin, may induce cancer or increase its incidence.</i></p>	<p>Benzene, Arsenic</p>	 	
<p><b>H8</b></p>	<p><b>Corrosive (C)</b></p> <p><i>substances and preparations which may destroy living tissue on contact.</i></p>	<p>Strong acids and alkalis</p>		
<p><b>H9</b></p>	<p><b>Infectious</b></p> <p><i>substances and preparations containing viable micro-organisms or their toxins which are known or reliably believed to cause disease in man or other living organisms.</i></p>	<p>Anatomical waste, blood</p>	<p>Not subject to labelling requirements of chemical legislation</p>	
<p><b>H10</b></p>	<p><b>Toxic for reproduction (Repr. Cat. 1, 2 and 3)</b></p> <p><i>substances and preparations which, if they are inhaled or ingested or if they penetrate the skin, may induce non-hereditary congenital malformations or increase their incidence.</i></p>	<p>Heavy metals, Vinyl chloride</p>	 	
<p><b>H11</b></p>	<p><b>Mutagenic (Muta.Cat. 1, 2 and 3)</b></p> <p><i>substances and preparations which, if they are inhaled or ingested or if they penetrate the skin, may induce hereditary genetic defects or increase their incidence.</i></p>	<p>Sodium Azide</p>	 	

<b>H12</b>	<b>Produces toxic gases in contact with water</b> <i>Waste which releases toxic or very toxic gases in contact with water, air or an acid.</i>	Sodium metal		
<b>H13</b>	<b>Sensitising (Xn, Xi)</b> <i>substances and preparations which, if they are inhaled or if they penetrate the skin, are capable of eliciting a reaction of hypersensitization such that on further exposure to the substance or preparation, characteristic adverse effects are produced.</i>	Detergents		
<b>H14</b>	<b>Dangerous for the Environment (N)</b> <i>waste which presents or may present immediate or delayed risks for one or more sectors of the environment.</i>	Heavy metals, Pesticides		
<b>H15</b>	<i>Waste capable by any means, after disposal, of yielding another substance</i>	From contact with water, as a result of a breakdown reaction; a leachate	Not subject to labelling requirements of chemical legislation	Not subject to labelling requirements of chemical legislation