

Hazardous Chemical Waste Identification Checklist

A hazardous chemical waste is a substance that poses a hazard to human health or the environment when improperly managed. A chemical waste is considered hazardous if it is listed in the Federal or State hazardous waste regulations or it is ignitable, reactive, corrosive or toxic.

A waste must be managed as a hazardous chemical waste if the answer is “yes” to any of the questions below. If the answers are “no” to all of the questions, the waste can be managed as non-hazardous. If the waste is a non-hazardous liquid, please check the [Sanitary Sewer Guidelines](#) to determine if the waste can be disposed of in the sanitary sewer drain.

For information on the chemical properties, refer to a safety data sheet (SDS).

If you require assistance determining if your waste is hazardous, contact Environmental Health and Safety at EHS@UCMERCED.EDU.

			Hazard	
Is the chemical listed on the Hazardous Chemical Waste List ?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	See on list
Is the flashpoint <140° F?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Ignitable
Is it an ignitable compressed gas?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Ignitable
Is it an oxidizer?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Ignitable
Is it capable at standard temperature and pressure of causing a fire through friction, absorption of moisture or spontaneous chemical change?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Ignitable
Is it normally unstable and readily undergoes violent change?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Reactive
Does it react violently with water?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Reactive
Does it form potentially explosive mixtures with water?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Reactive
Does it form toxic gases, vapors or fumes when mixed with water?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Reactive
Is it a cyanide (over 250 ppm) or sulfide (over 500 ppm) bearing waste which, when exposed to pH conditions between 2 and 12.5, can generate toxic gases, vapors or fumes?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Reactive
Is it capable of detonation or explosive decomposition if subjected to a strong initiating source or heated under confinement?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Reactive
Is readily capable of detonation or reaction at standard temperature and pressure?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Reactive
Is it a liquid with pH <2 or >12.5?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Corrosive
Is it a liquid that corrodes steel?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Corrosive
Is it a solid that has pH <2 or >12.5 when mixed with an equal weight of water?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Corrosive
Is it a solid that when mixed with an equal weight of water, produces a liquid that corrodes steel?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Corrosive
It has an acute oral LD50 less than 2,500 mg/kg?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Toxic
It has an acute dermal LD50 less than 4,300 mg/kg?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Toxic
It has an acute inhalation LC50 less than 10,000 ppm as a gas or vapor?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Toxic
It has an acute aquatic 96-hour LC50 less than 500 mg/l?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Toxic
It has been shown through experience or testing to pose a hazard to human health or environment because of its carcinogenicity, acute toxicity, chronic toxicity, bioaccumulative properties or persistence in the environment.	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Toxic
Is it stored in a container that is unlabeled or in poor condition?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Toxic
Is it an engineered nanomaterial such as a nanotube, nanorod, nanowire or quantum dot?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Toxic
Is it a lubricating oil?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure	Toxic
Did you answer “unsure” to any of the questions?	<input type="checkbox"/> Yes	<input type="checkbox"/> No		