



## Safety after a disaster Flood

After a disaster, property damage may cause unusual and additional safety hazards. Many disaster-related injuries and deaths occur during cleanup. Here's what to check:

Item	Action	Status
Appliance or extension cords	Replace the cord if it has been wholly or partially immersed in	
	water and shows signs of insulation damage after being thoroughly	
	dried out.	
Small electrical appliances	Thoroughly clean and dry the appliance before using it. If the	
	appliance contains an electric motor, see <b>Electric motors</b> . Controls	
	may be corroded and inoperative, making the appliance unusable.	
	In many cases, purchasing a new appliance may cost less than	
	servicing it.	
Electric clocks	Water and silt can damage precision bearings and clock parts. Seek	
	servicing by a repair shop.	
Electrical services and	An electrical contractor or qualified electrical equipment service	
distribution panels	agency should inspect and repair electrical service equipment.	
	They will open, clean and thoroughly dry the equipment. Also	
	replace electric circuit breakers, ground fault circuit interrupters	
	(GFCIs) and fuses that have been submerged as water and silt	
	inside these devices can cause electrical shorts or mechanical	
	malfunctions.	
Electronic components	Submersion in water severely damages the internal components of	
(stereos, radios and	most electronic equipment. Rust, corrosion and dirt can leave the	
computers)	equipment unserviceable. Motors and power supplies will require	
	servicing or replacement. Consult a service agency for an estimate	
	for repairs as soon as possible. Corrosion will continue if the	
	components are not thoroughly dried out immediately. Buying a new unit may be the safest and least expensive alternative.	
Electric motors	Without proper servicing, do not use any appliance with a motor	
Electric motors	that has been wet. An electric motor showing signs of being wet	
	should be completely serviced before use. Moisture that has	
	entered the windings can cause the motor to short out and fail.	
	This can present a shock or fire hazard. Dirt or silt in the bearings	
	will cause premature bearing failure. A motor repair or rewinding	
	shop should do this work. The rehabilitation of a flood-damaged	
	motor will include: dismantling, cleaning, baking of the windings to	
	remove moisture, re-assembly, re-oiling of bearings and testing.	
Heating and cooking equipment	The main damage to an electric range will be soaked insulation	
<b>.</b>	and water-damaged switches and controls. Semi-enclosed	
	elements may also be damaged. Electric heaters with sealed	
	elements can be cleaned and dried. Thermostats may need to be	
	replaced. The switches and controls on electric ranges are difficult	

Heating and cooking equipment (continued)	to dry out and may break down over time. Replacement may be necessary. The oven control may also fail due to moisture in the insulation. Newer ranges have sealed surface elements, which do not absorb moisture. Semi-enclosed elements can absorb moisture and will require replacement. Depending on the type and condition of the insulation on the internal wiring, proper drying out of the appliance may be all that is necessary. Have your range thoroughly checked by your appliance service agency.	
Refrigerators, freezers, air	Refrigeration equipment can be classified into two types: belt-	
conditioners and refrigeration	driven with exposed motor and thematically sealed units. The unit	
equipment	should be properly inspected and serviced by an appliance service	
	agency, which will consider the following:	
	Any refrigerator cabinet that has been even partially	
	immersed in water will have wet insulation. The cabinet	
	will have to be opened up and insulation dried or	
	replaced.	
	Open-type motors will require servicing or replacement  (202 the Matters as attim)	
	(see the Motors section).	
	Thematically sealed units will probably not be damaged  and can be also and an yeard. Charly controls relayed.	
	and can be cleaned and re-used. Check controls, relays and wiring for damage.	
Telephones and telephone	Contact your telephone company for help in assessing damage to	
equipment	the telephone system in your building. Treat telephones	
equipment	themselves as noted under <b>Small electrical appliances</b> .	
Washers and dryers	Treat the motors and controls as noted under the <b>Electric motors</b>	
	and <b>Heating and cooking equipment</b> sections. The gear box on	
	most washers is sealed, but should be checked to see that water	
	has not contaminated the lubricating oil or grease. Flush out the	
	box with solvent, thoroughly clean, re-grease and reassemble the	
	unit. Treat the pump as noted under Water systems. Remove all	
	water and silt from bearings and other moving parts. Check the	
	electric element in the dryer for moisture damage.	
Water heaters	Replace any damp insulation. Check the wiring in the water heater	
	and replace it if it shows deterioration signs. Check and clean	
	thermostats and heating elements.	
Water systems (pump	If the pump mechanism is not a sealed unit, check for water and	
mechanism)	silt contamination. If it is contaminated, dismantle the pump, clean	
	it and add fresh oil. Clean the inlet screen on the suction valve. Do	
	not drain off old, contaminated oil until you are ready to clean and	
	replace it. Otherwise, interior pump parts may rust.	