

Selling mercury items

Liquid mercury, thermometers, barometers, thermostats, switches, blood pressure meters, fishing lures, and other items

Mercury is a toxic element that was historically used in many household and commercial items due to its unique properties and that has now been phased out of most uses. The offer, sale, or distribution of liquid mercury and items containing liquid mercury is regulated in Minnesota by the Minnesota Pollution Control Agency (MPCA).

Any person in Minnesota offering an item that contains liquid mercury for sale or donation is subject to these requirements, whether a private citizen, collector, non-profit organization, or business. Offers and sales through any method are regulated, whether in a store or shop, booth, or through an online sales venue. If the mercury item is located in Minnesota, it is regulated, regardless of where a potential purchaser may be located.

How can I tell if an item contains liquid mercury?

The [table](#) on the next page lists common household and commercial items containing liquid mercury, how to identify them, and the Minnesota requirements. First, check the [table](#) to ensure selling an item is not prohibited.

If selling a mercury item is not prohibited, what must I do?

If the [table](#) on the next page does not list a mercury item as prohibited from sale, then you must:

- Clearly label the item stating that it contains mercury, that the item may not be disposed into the trash, and that the mercury must be recycled or properly disposed. Placing a statement in an online listing description or on a sign in a store is not sufficient; the mercury-containing item must be labeled.

In addition, to sell the mercury item to a buyer in Minnesota, you must also:

- Provide the buyer with a safety data sheet (SDS) for the mercury in the item that complies with U.S. Occupational Safety & Health Administration (OSHA) requirements. Obtaining a compliant SDS is the responsibility of the seller; the MPCA does not provide SDSs.
- Obtain a signed statement from the buyer prior to completing the sale stating that the seller will only use the item for medical, dental, instructional, research, or manufacturing purpose.

Note: Collecting or display or cooking are not allowed uses for mercury item sales in Minnesota.

How can I properly dispose of mercury items instead of selling them?

Mercury items must be properly recycled or disposed as hazardous waste and ***may not be placed into solid waste*** or recycling bins. Households should contact their county of residence to find their local Household Hazardous Waste (HHW) collection program. Businesses may contact their regional Very Small Quantity Generator (VSQG) hazardous waste collection program. See MPCA fact sheet #w-hw2-51, VSQG collection programs, at <https://www.pca.state.mn.us/sites/default/files/w-hw2-51.pdf>.

More information

Guidance and requirements in this fact sheet were compiled from Minn. Stat. 116.92 and incorporate regulatory interpretation decisions made by the MPCA on August 11, 2020. Visit the Office of the Revisor of Statutes at <https://www.revisor.mn.gov/pubs> to review Minnesota Statutes.

Minnesota Pollution Control Agency

Toll free (all offices) 800-657-3864
All offices 651-296-6300
<https://www.pca.state.mn.us/>

Minnesota Duty Officer

Toll free 800-422-0798
Metro 651-649-5451

Item	How to identify regulated mercury items	Common brand/product line names	Sale conditions
Life safety switches	Tip-over switches for propane heaters; ignition interrupters for personal watercraft; roll-over switches for outboard motors; airbag & anti-lock brakes switches for motor vehicles.	ATE; Hiland; Merycon; SeaDoo; Ubakata Industry	Sales allowed only as replacement parts for legacy products. Not subject to the conditions on page 1.
Liquid mercury	Extremely heavy, silvery liquid. Commonly found in 'basement' and 'barn' cleanouts.	May be labeled as Hg, Hydragyrum, Quicksilver, or Mercuric. May be in bottles, flasks, jars, or vials.	Sales are discouraged but allowed, subject to the conditions on page 1.
Rotating electrical connectors or slip rings	Marketed as brushless or maintenance-free.	Mercotac, Moflon, Rotocon (Meridian Laboratory), SenRing	
Thermometers	Vintage thermometers with silver or gray fluid. Red, blue, or black fluids are not mercury. New silver fluid thermometers labeled 'environmentally-safe' contain non-mercury galinstan.	Chaney; Crandall Pettee; Hillyer Ragsdale; JW Allen; Taylor (prior to 2003); Trerice (prior to 2003); Tycos	All offer and sales prohibited. Installation also prohibited.
Barometers	Mercury found in clear glass tubes. Aneroid and digital barometers do not contain mercury.	Admiral Fitzroy barometers; Stick barometers	
Clock pendulums	Clear glass cylinders partially filled with silver liquid.	Crystal regulator clocks, French regulator clocks	
Contactors and relays	Also known as displacement contactors or displacement relays.	Adlake; Durakool; Magnecraft; MDI; Permatrol; Struthers-Dunn; Watlow	
Fishing lures	Clear center or nose section with visible mercury drops, or flattened nose section. Bottom may be stamped 'mercury'.	Neon Fire Fly; Neon Mickey; Mercoy; Mercury Minnow; Mercury Worm	
Flame sensors	Long flexible metal tube attached to electrical component.	Emerson, White Rodgers	
Float switches	Include bilge and plug-in sump float switches, sealed in plastic. Types labeled 'mechanical' do not contain mercury.	Dayton; Grainger; Magnetrol; SJE-Rhombus; Teel	
Light switches	Toggle light switches advertised as silent or stamped 'TOP'. Dial and rocker light switches do not contain mercury.	Arrow Hart; Bryant; General Electric; Groen; Homart; Leviton, Philmore, Rodale; Sears; Sierra; Super Switch	
Plumb bobs	Cylindrical plumb bob with removable screw top.	Brown & Sharp #790; Starrett #87	
Pressure switches	Mercury found in glass ampoules.	Dwyer; Honeywell; Mercoid; Pressuretrol; Vaporstat	
Sphygmomanometers (blood pressure monitors)	Vertical glass tube scales. Aneroid and digital monitors do not contain mercury.	Baumanometer; Erkameter; Kompak; Lumiscope; Mercurial, MPC, Nelkin, Pymah; Tycos, Universal	
Thyatron and rectifiers	Vacuum tubes using mercury; may have visible droplets.	Mullard, National Electronics, Sylvania, Thyatron	
Tilt switches	Small metal pillbox, capsule, or bullet-shaped. Commonly found in vintage vehicle hood & trunk 'convenience' lights.	Con-tac-tor; Excalibur; Omega; Rotunda; IH McCormick Cream Separator Models 2F/3F/4F/3G	
Wetted reed switches	Small metal box, capsule, or test tube-shaped, with electrical pin connectors.	Clare; Coto; Hamlin; Magnecraft; Midtex; Potter & Brumfield; SRCO; Struthers-Dunn	
Recoil reducers/suppressors	Cylindrical metal inserts for firearms and archery bows.	Ben Pearson; C&H Research; Graco; Staub; XLR	All offer and sales prohibited. Installation also prohibited.
Thermostats	Mercury found in glass ampoules shaped like drug capsules. Digital and snap action thermostats do not contain mercury.	Chronotherm; Emerson; Honeywell; Lux; The Round; Trane; Weathertron; White Rodgers	
Wheel & shaft balancers	Disc with tubular ring around circumference.	Balance Masters	

Fluorescent, neon, and high-intensity discharge (HID) lamps that contain mercury in gaseous form are regulated for sale in Minnesota under a different set of requirements. See MPCA fact sheet #w-hw4-21, Selling fluorescent & mercury lamps, at <https://www.pca.state.mn.us/sites/default/files/w-hw4-21.pdf>.

Cosmetics, disinfectants, and pharmaceuticals that contain mercury as an ingredient are regulated for sale in Minnesota under another set of requirements. See MPCA fact sheet #w-hw4-22, Selling mercury cosmetics and pharmaceuticals, at <https://www.pca.state.mn.us/sites/default/files/w-hw4-22.pdf>.