

Q. Define hazardous waste. Also explain its classification. How transportation hazardous waste are controlled during the Covid-19.

Ans. Hazardous waste: A solid or liquid wastes which because of its quantity, concentration or physical, chemical or infectious characteristics, may:

- (1) Cause increase in mortality or serious illness,
- (2) Pose a substantial potential hazard to human health or environment, hazard to human health or environment, when improperly treated, stored, transported or disposed.

Hazardous materials classification (1)

(1) Health Hazard.

- * Deadly 4
- * Extreme danger 3
- * Hazardous 2
- * Slightly hazardous 1
- * Normal material 0

(2) Instability

- * May detonate 4
- * Shock and heat may detonate 3
- * Violent chemical change 2
- * Unstable if heated 1
- * Stable 0

(3) fire Hazard flash points

- * Below 73°f 4
- * Below 100°f 3
- * Below 200°f 2
- * Above 200°f 1
- * will not burn 0

(4) Specific Hazard

- * Oxidizer OX
- * Acid ACID
- * Alkali ALK
- * Corrosive COR
- * Use No Water ~~W~~
- * Radiation Hazard ~~R~~

* Waste are controlled during the Covid-
The safe management of household waste
is also likely to be critical during the
COVID-19 emergency. ~~Waste~~
medical waste such as contaminated masks,
gloves, used or expired medicines,
and other items can easily become
mixed with domestic garbage, but
should be treated as hazardous wastes
and disposed of separately. These should
be separately stored from other household
waste streams and collected by specialist
municipality or waste management
operators.

Hazardous waste characteristics

1. Health hazard
2. Corrosive
3. Explosive / reactive
4. Toxic / irritant
5. Volatile / flammable