

## Safety

### 13 Do you know things to be careful when handling gas?

Gas is commonly used in our life, such as city gas, propane gas, gas cartridge for domestic use, and hair sprays.

There are a variety of gas types and it is necessary to handle each gas properly.

For example, city gas is comprised mainly of methane gas and easy to accumulate in the ceiling. On the other hand, propane gas is easy to accumulate on the floor because it is heavier than air.

#### Reminders when handling gas

- 1 Do not use old gas pipes, kitchen ranges, and stoves.  
Especially gas pipes with cracks may cause gas leaks, so they must be replaced immediately.  
(Never use temporarily mended gas pipes.)
- 2 The turning on and off of gas must be checked with one's own eyes.  
Ensure that all gas stoppers are closed after using gas.
- 3 Use a clamp at the connection part of a gas tube.  
And also cover a gas stopper with a rubber cap when It is not in use.
- 4 Inspect regularly If there are any abnormalities with the connecting part of gas pipes, cook stoves, and stoves.
- 5 For gas pipes, use strengthened gas hoses and power outlet hoses that will not collapse even if stepped on.
- 6 Never place easily combustible things near or on top of gas appliances.
- 7 Do not place a cook stove or a gas burner on top of a combustible table such as one made of wood.  
Make sure to place them on an incombustible table such as one made of metal or an inorganic substance.
- 8 When disposing of cartridge type gas cans for cook stove and spray can (such as cosmetics, insecticides) after their use, make sure to put holes in the cans and release all remaining gas in the cans.  
If cans are disposed with remaining gas, there is the possibility of explosion due to heat expansion.
- 9 Install a gas leak alarm.  
Since city gas is light, it should be placed about 30cm from the ceiling in a room where there is gas equipment.  
Keep a close watch on the expiration date of installed gas leak alarms.
- 10 Do not use hair sprays, insecticides which have LP gas in them, near flame. (including cigarettes)
- 11 Be careful about imperfect combustion in order to prevent carbon monoxide poisoning.  
At the same time, make sure that rooms are well ventilated.
- 12 Since gas is invisible to human eyes, it is very dangerous if it leaks into the air.  
For that reason, city gas and LP gas were added odor.  
Handle gas with care while doing experiments and in our life.

Since gas explosion caused by a spray can happens frequently, be careful to handle it.