

Why is the balloon exploding dangerously?

Air pump balloons are favorite children's toys and can easily be purchased anywhere from school gates to entertainment spots, events, festivals ... But few know that , these air balloons can explode and pose a danger to humans.

Today, air pump balloons are used a lot in life. This is a favorite toy of young children and can be easily purchased anywhere from school gates to entertainment spots, events, festivals . But few people know that the fruit This air balloon can explode and endanger human life.

Our balloons are blown by steam or pump, it's safe, but the chemical balloons are different. They are pumped into gases such as hydrogen, light gas or methane to be able to fly. These are all dangerous gases that can easily explode when facing heat. The most frightening thing is that hydrogen gas by explosion causes great pressure which can cause severe burns.



Light hydrogen gas, baby molecular structure is highly explosive in air conditions and pressure.

When pumping hydrogen gas into balloons, they are easily absorbed to the outside, especially in the balloon stalk, where the strings are tied. When exiting, they react with oxygen under a temperature catalyst that can explode without a fire source.



In room conditions with a pressure of 1atm and a temperature of about 27.3 degrees Celsius, the reaction between hydrogen and oxygen causes a gas pressure to increase by 3.5 times, which can have large consequences. Therefore, do not bring balloons into the house because if exposed to light bulbs, hot air may explode.

When going outdoors, balloons can also explode, very dangerous.

In large scientific centers, the opening and closing of hydrogen tank valves must also be carried out very carefully and considered a dangerous task.

Many people use hydrogen to pump the ball without knowing that they can be dangerous for many people. A detonating ball may not cause serious consequences, but when the ball bursts all at once, the consequences are hard to imagine.

Parents should consider carefully when choosing the colorful balloons for children to play while equipping their loved ones with the necessary safety knowledge for this popular toy.

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