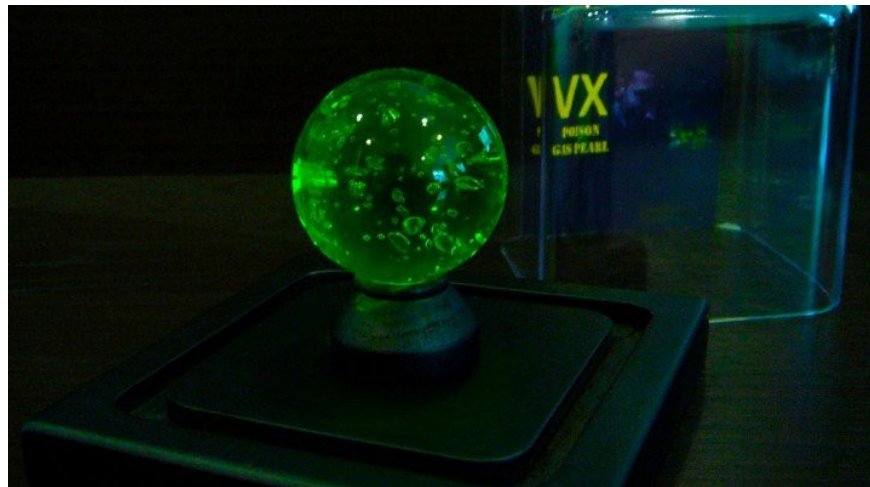


How scary is the poison VX, the most terrifying neurotoxin in the world?

VX is a neurotoxin that is considered to be the most powerful man ever created. It is 100 times stronger than Sarin - a deadly poison in minutes in very small doses. The United Nations has classified this poison as a list of Weapons of Mass Destruction.

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In 1933, the Chemical Weapons Convention - CWC clearly stated that any country producing or storing more than 100 grams of VX per year violates international law.

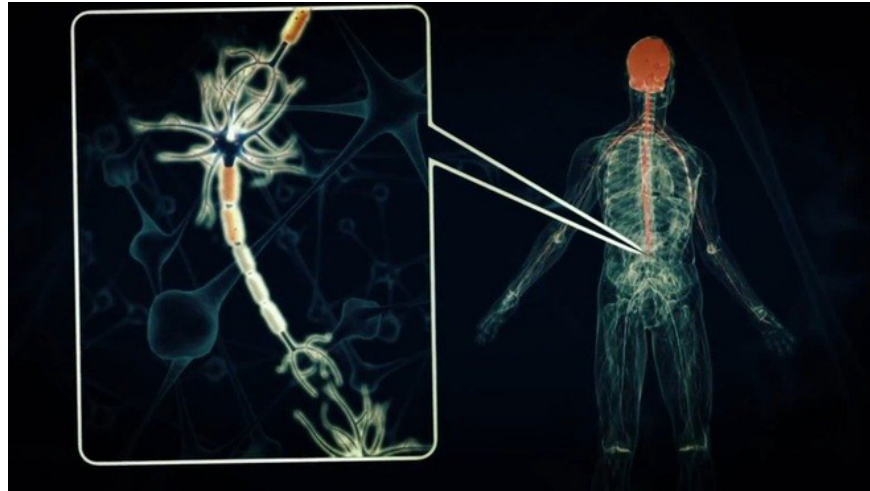


Initially, this type of poison was invented and used in pesticides. In its original state, VX is a colorless, odorless solution. Only a very small drop of VX sticks to the skin, the victim's muscles will be disabled causing paralysis. The victim will die after only a few dozen seconds.

Mechanism of action of neurotoxin VX

VX acts on a molecule called acetylcholine to interfere with the transmission of nerve messages between cells. After acetylcholine has transmitted nerve messages, they inhibit the type of acetylcholinesterase, a neurotransmitter enzyme.

When a motor neuron is stimulated, it releases the neurotransmitter acetylcholine in the muscle and nerve cells.



When muscle cells receive acetylcholine, it stimulates muscle contraction. To avoid continuous muscle contraction, Acetylcholinesterase enzymes break down acetylcholine into unreacted substances (acetic and choline acids).

At this time, VX is capable of neutralizing the function of acetylcholinesterase, causing the accumulation of acetylcholin overload and leading to uncontrolled muscle contraction.

This makes the victim feel pain because of the intense contraction. When VX penetrates deep into the body, it will neutralize the diaphragm and paralyze the nerve, causing the victim to die from suffocation.

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