

10. This compound has also a great role in agriculture sector i.e., it is used to prevent boron deficiency and also used in preservation of grains such as rice and wheat etc.
11. It is also used in many industries to counteract the harmful effects of hydrofluoric acid (HF).
12. It is also used in treatment of ear infection in case of both humans and animals.
13. This acid mixed with distilled water is also used as a wound spray which helps in blood clotting.

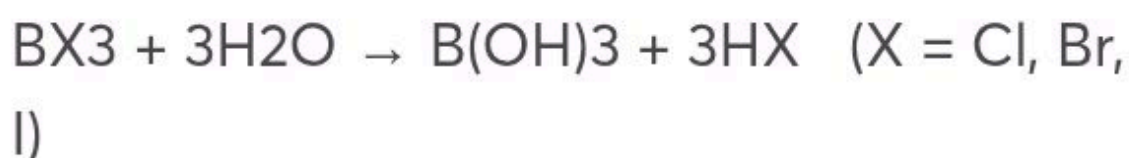
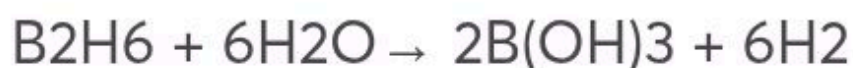
2. It is used in combination with denatured alcohol in jewellery industries.
3. It is also used in electroplating.
4. It is used in manufacturing flat LCD panel displays.
5. Sometimes it is also used as a fire retarding agent, which helps in reduction of fire damage on people.
6. It is also used by blacksmiths in welding flux.
7. It is used as an antiseptic, insecticide as well as a neutron absorber.
8. The mixture of boric acid along with vegetable oils or petroleum works as an excellent lubricant.
9. It is also used in swimming pools as a primary buffer.

Preparation Of Boric Acid

Boric acid might be prepared by reacting borax (sodium tetraborate decahydrate) with a mineral acid, for example hydrochloric acid(HCl):



It can also be formed as a by-product of hydrolysis of boron trihalides and diborane. The reaction is as:



Uses Of Boric Acid

Generally, now a days this compound is widely used in many industries and factories. Let us see about few of its uses:

1. It is typically used in the manufacturing of glass and monofilament fibreglass.