

# MANUFACTURE OF SODIUM HYPOCHLORITE BY ELECTROLYSIS OF THE LOCAL RAW MATERIAL WITH ELECTRIC ENERGY

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**Abstract**— Our homeland is rich in natural resources. In particular, rational use of natural resources in our country is one of the priorities. One of the main issues is the acquisition of environmentally clean products and development of waste technologies. In addition, natural salt deposits are being used effectively. Including Hodjaikon salt salt reserves of 50 million tons. tons per year for population of our country, reaching 200 years by demand of 125-130 thousand tons of salt a year.

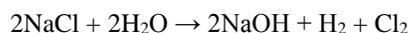
Hodjaikon salt deposits are as valuable as the predominance of the chemical composition of NaCl ions up to 96-97%, which is a good indicator according to the requirements of the salt of the salt, secondly, the composition is very clean, In spite of the fact that there are deposits of govurdak, there are no other compounds in the structure of the salt; third, the reserve is still young, and fourthly, there is no need to use additional technical equipment on the surface of the earth.

**Index Terms**— salt, NaCl, sodium hypochlorite, waste water, technology, composition.

## 1 REVIEW

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Electrolysis is carried out using electric energy. Electrolysed sodium chloride and water are electrolysed. During electrolysis, the cathode precipitates hydrogen chloride in the mother liquor. The solution contains sodium hydroxide.



It provides the ability to use hydrogen as an ecologically clean fuel for electricity. When sodium hydroxide solution is dissolved in the electrolysis solution, sodium hypochlorite and sodium chloride are formed:



After removing sodium hypochlorite from the composition of the resulting compound, it is also possible to use sodium chloride as a raw material without the need for waste technology.

The areas of sodium hypochlorite are very broad:

1. Bleaching in the chemical industry, water and pool drinking water and disinfecting wastewater;
2. For bleaching and bleaching fabrics in light industry;
3. Disinfecting areas contaminated with food and household waste;
4. Water fishing for disinfection of reservoirs;
5. In the case of disinfection of various foodstuffs from germs and bacteria by medical institutions;

This will be used in the region in the light of the 2017-2021 plan for the development of light industry, the largest enterprises processing leather raw materials, food industry and fishery by the Uzbekchampionabzali Association. In addition, the development of local raw materials will create additional jobs, ensure employment, increase our economic performance.

## 2 References

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