

# HCl

## INHIBITED HYDROCHLORIC ACID

№ CAS 7647-01-0  
TU 2122-205-00203312-2000



### Technical properties:

Indicator description	Norm	
	Grade A	Grade B
Appearance	Liquid from light yellow to brown	
Mass fraction of chlorine hydride, %, within the limit of	27.0-32.0	20.0-27.0
Mass fraction of iron, %, maximum	0.03	0.03
St3 steel dissolution rate at 20°C, g/m <sup>2</sup> -hour, maximum	0.20	0.20

**PRODUCTION METHOD.** Inhibition of hydrochloric acid (hydrochloric acid produced from waste gases) with self produced inhibitors.

**APPLICATION.** Inhibited hydrochloric acid is used for picking of iron and non-ferrous metals and items made of them, acid treatment of oil wells, chemical treatment of boilers and devices from deposits of various compositions, including carbonate ones. Inhibited hydrochloric acid has no destructive effect on metal itself.

**SAFETY REQUIREMENTS.** In terms of effect on organism, the product pertains to the 2 class of hazard.

**CERTIFICATION.** A Compliance Certificate and an Application Certificate of the product have been issued for the inhibited hydrochloric acid to be used in technologic processes of oil recovery and transport.

**STATE REGISTRATION.** The product has been registered in the Potentially Hazardous Chemical and Biological Substances Register of the RF.

**TRANSPORTATION.** Transportation of hydrochloric acid is possible by railway and road transport.

**PACKING.** The product is transported in special 42–70 tons rubberized cisterns, rubberized tank trucks. There is a possibility of packaging in cubic medium size containers consisting of a plastic tank with dimensions of 1,200 x 1,000 x 1,175 (h) mm, wall thickness (2.0±1) mm, metal grating of welded thermally galvanized steel pipes, with a capacity of 100 dm<sup>3</sup>. Using other packaging ensuring safety and quality of the product is admitted on agreement with the customer.

**GUARANTEED SHELF LIFE.** Guaranteed shelf life is 1 year after manufacture.

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