

HCl

WASTE HYDROCHLORIC ACID

№ CAS 7647-01-0
TU 2122-247-00203312-2005



Technical properties:

Indicator description	Top grade	First grade	Second grade
Appearance	Clear liquid from yellowish to greenish-yellow color without weighted and emulsified particles		Clear liquid from yellow to yellowish-green color without suspended particles
Mass fraction of chlorine hydride (HCl), %	27.0-32.0	23.0-27.0	18.0-23.0
Mass fraction of free chlorine (Cl ₂), %, maximum	0.005	0.02	0.02
Mass fraction of organically bound chlorine, %, maximum	0.008	0.02	0.2
Mass fraction of iron, %, maximum	0.01	0.01	0.01

APPLICATION. Waste hydrochloric acid is used in the chemical industry for acidification of brine in production of caustic acid, production of regenerated hydrogen chloride, obtainment of metal chlorides, in iron and non-ferrous metallurgy for skimming oxide film from metal surface in the process of metal leaching from ores; in other industry sectors – for cleaning boilers and chemical water treatment not connected with potable water supply.

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

PACKING AND TRANSPORTATION. Transportation is in special 42–70 ton rubberized cisterns, and also in the consumer's containers: clean, corrosion-proof for the product.

GUARANTEED SHELF LIFE. Guaranteed shelf life is 1 year from the manufacture date.

CERTIFICATION. A Compliance Certificate has been issued for the waste hydrochloric acid.

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

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