

# LIQUID PARAFFINES CHLORINATED

CALCIUM CHLORIDE

GOST 450-77



## Technical properties:

Indicator description	Norm for brands		
	HP-52	HP-470A	HP-470B
Appearance	An oily fluid without visual impurities. Light opalescence may be present.	An oily fluid without visual impurities. Light opalescence may be present.	An oily yellow to brown-yellow liquid. Light opalescence may be present.
Density at 20°C, kg/m <sup>3</sup> , in a range of	1250 – 1300*	1185 – 1235	1185 – 1235
Color by iodine scale, mg × I <sub>2</sub> /100 cm <sup>3</sup> , max	4	4	—
Mass fraction (Cl), %, in a range of	50.0 – 54.0	45.0 – 49.0	45.0 – 49.0
Mass fraction of acids calculated as HCl (%), max	0.005	0.0005	0.005
Mass fraction of iron, %, max	0.004	0.004	0.006
Thermostability calculated as cleaved HCl, %, max	0.05	0.05	0.4
**Color by Platinum-Cobalt Scale, Hazen units, max	300	300	—
**Dynamic viscosity at 20°C, Pa·s, max	5.0*	5.0	—

Notes:

\* Density and dynamic viscosity of the product (brand HP-52) is determined at 30°C

\*\* Determined on consumer demand

If color is determined by Platinum-Cobalt Scale (Hazen units) then the determination by iodine scale is not performed.

**APPLICATION.** Liquid chlorinated paraffins are used for production of lubricants and as a components of grease compositions for processing of natural leather, as well as a secondary plasticizers in polymer compositions based on polyvinylchloride and some other polymeric materials.

**METHOD OF PRODUCTION.** Chlorinated paraffins HP-52 is produced by chlorination of paraffins C14-C17. Chlorinated paraffins brands HP-470A and HP-470B are produced by chlorination of paraffins or olefins C9-C30.

**SAFETY REQUIREMENTS.** Low-combustible, explosionproof product. 3rd class of hazard regarding its effect on body.

**PACKING.** Rail tank cars equipped with universal drain device and heating jacket. Steel drums type 1A1 216.5 dm<sup>3</sup>, polyethylene drums 227 dm<sup>3</sup>.

**TRANSPORTATION.** Rail tank cars and tanker trucks. Chlorinated paraffins are packed in drums, transported in roofed vehicles by road and railway transport in universal containers on open cars.

**GUARANTEED SHELF LIFE.** HP-52, HP-470A — one year; HP-470B — three months from the date of manufacture.

**OFFICIAL REGISTRATION.** Certificate on state registration of the product is available.

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