$C_2H_4Cl_2$

DICHLOROETHANE
COMMERCIAL GRADE

CAS №107-06-2
GOST 1942-86

BASHKHIM
TRADE HOUSE

Technical properties:

Indicator description	Highest grade	First grade	Second grade
Appearance	Clear, mobile liquid with chloroform smell		
Mass fraction of dichloroethane, %, min	99,9	99,4	98,0
Mass fraction of organic impurities, %, max vinylidene chloride 1,2-dichloropropane allyl chloride	 0,002 0,005 0,002	Not rated	
Mass fraction of water, %, max	0,005	0,05	0,12
Mass fraction of acids calculated as HCl, %, max	0,0002	0,002	0,004
Mass fraction of alkalis calculated as NH_3, %, max	Not rated		0,004
Mass fraction of nonvolatile ignition residue, %, max	0,0008	0,002	0,004
Mass fraction of iron, %, max	0,0004	0,0004	Not rated
Color by Platinum-Cobalt Scale, Hazen units, max	10	10	20
Temperature limits of distillation (at 101.33 kPa), °C beginning of distillation, min end of distillation, max	 — —	 — —	 81 86

METHOD OF PRODUCTION. Liquid-phase chlorination of ethylene dichloride in dichloroethane in the presence of ferric chloride catalyst.

PHYSICAL AND CHEMICAL PROPERTIES. Boiling point at 760 mm Hg — 83.74°C. Melting point minus 35.36°C. Density at 20°C 1253 kg/m^3.

APPLICATION. It is used for production of vinyl chloride monomer in organic synthesis for extraction of fats and alkaloids. It is a strong solvent.

SAFETY REQUIREMENTS. 2rd class of hazard regarding its effect on body.

TRANSPORTATION. Railroad tanks, steel welded drums according to GOST 13950-84 type I, 100 and 200 dm^3 (to be agreed with a consumer).

GUARANTEED SHELF LIFE. Three months from the date of manufacture.

CERTIFICATION. Certificate of conformity, declaration of conformity for the product are available.

OFFICIAL REGISTRATION. Product is registered in potentially hazardous chemical and biological substances register of the Russian Federation.

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