

# Technical acetone

# GOST 2768-84 with amendments 1, 2

## APPLICATION

It is used for the synthesis of acetic anhydride, acetone cyanohydrin, diphenylolpropane and other organic products, as well as a solvent in various industries.

Parameter name	Value for premium grade	Test method
Appearance	Colorless transparent liquid	GOST 2768
Mass fraction of acetone, %, no more	99.75	GOST 2768
Density at 20°C, g/cm <sup>3</sup>	0.789-0.791	GOST 18995.1
Mass fraction of water, %, no more	0.2	GOST 2768
Mass fraction of methyl alcohol, %, no more	0.05	GOST 2768
Mass fraction of acids in terms of acetic acid, %, no more	0.001	GOST 2768
Resistance to oxidation by potassium permanganate, h, no less	4	GOST 2768

## HAZARD IDENTIFICATION

Low-hazard substance in terms of its impact on the body (class 4) in accordance with GOST 12.1.007. Causes severe irritation when in contact with eyes. May cause drowsiness or dizziness, may have a negative impact on reproductive function. With prolonged inhalation of vapors, acetone accumulates in the body. Highly flammable liquid, vapors form explosive mixtures with air. When in contact with sodium peroxide and chromic anhydride, acetone ignites explosively. May pollute environmental objects.

## TRANSPORTATION AND STORAGE

Acetone is transported by all types of transport in covered vehicles in accordance with the cargo transportation rules applicable to this type of transport. Air transportation - only on cargo ships with a maximum net volume of 60 dm<sup>3</sup> per package; by rail, it is transported in barrels in covered wagons (in carloads and small shipments); when transported in 100 dm<sup>3</sup> barrels in covered railway wagons and by water transport, transportation is carried out in packages in accordance with the cargo transportation rules applicable to this type of transport and GOST 21650, the formation of packages - according to GOST 26663; acetone is transported in bottles only by road. Technical acetone is stored in steel, aluminum, galvanized containers or barrels, in glass bottles in accordance with the rules for storing flammable substances in a place protected from moisture, direct sunlight and heating, away from fire sources. Incompatible substances during storage are oxidizers.

## GUARANTEE OF MANUFACTURER

The guaranteed shelf life of technical acetone in steel, galvanized, aluminum containers and barrels is 3 months, in glass containers - 1 year from the date of manufacture, The guaranteed shelf life of premium technical acetone in non-galvanized carbon steel containers is 1 month from the date of manufacture.

The information contained in this document is given according to our knowledge at the time of publication. It is the responsibility of the customer to test our products to determine their suitability for the intended application. The manufacturer accepts no liability for loss/damage that may arise from the use of this information. UN number: 1090. Classification code: 3212 (GOST 19433), 3012 (railway transport).