

## ETHYLENE OXIDE

Ethylene oxide is the main feedstock for production of mono-, di-, tri- and polyethylene glycols, as well as ethylene glycol ethers, alconolamides, nonionic surfactants and polyethers. It can be used as a sterilizing agent in medicine, for production of polyethylene oxide, crude oil demulsifiers, fumigants, polyethylene therephtalate.

CAS Number: 75-21-8

Design specification: GOST 7568-88

PROPERTY	VALUE		TEST METHOD
	PURIFIED	TECHNICAL	
Ethylene oxide mass content, %, min.	99.9	99.9	para. 3.3 of GOST
Fixed residue mass content, %, max.	0.0005	0.005	para. 3.4 of GOST
Water mass content, %, max.	0.01	0.01	para. 3.5 of GOST
Acid mass content in terms of acetic acid, %, max.	0.002	0.002	para. 3.6 of GOST
Aldehydes mass content in terms of acetaldehyde, %, max.	0.001	0.01	para. 3.7 of GOST
Carbon dioxide mass content, %, max.	0.001	0.003	para. 3.8 of GOST
Color, Hazen, max.	5	10	para. 3.9 of GOST

<b>Supply form:</b>	Liquified gas, a colorless transparent liquid.
<b>Packaging:</b>	Product is shipped in special heat-insulated railway tank-cars and non-corrosive steel containers.
<b>Transportation:</b>	Product is transported by covered railway, motor and water transport.
<b>Storage:</b>	Storage in stainless steel reservoirs under nitrogen blanket at temperature not higher than 10°C.

*Information contained in this document is provided to the best of our knowledge and is considered true as per revision date. This specification does not release the customer from obligation to check the product as to its suitability for intended area of usage. We do not accept any liability for loss and damage that may occur from the use of this information.*