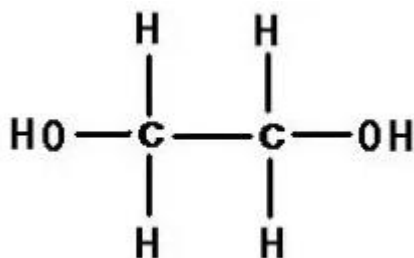


Technical Data Sheet

Ethylene glycol

CAS Number: 107-21-1

Formula: C₂H₆O₂



DESCRIPTION:

Ethylene glycol is a colorless, odorless and sweet liquid with low toxicity to animals. Ethylene glycol can be miscible with water and acetone, but its solubility in ethers is small. Used as solvent, antifreeze and raw material for synthetic polyester. Polyethylene glycol (PEG), a high polymer of ethylene glycol, is a phase transfer catalyst and is also used for cell fusion; Its nitrate ester is an explosive.

APPLICATION:

Mainly used to make polyester, polyester resin, hygroscopic agent, plasticizer, surfactant, synthetic fiber, cosmetics and explosives. It is also used as a solvent for dyes and inks, antifreeze agent for engines, gas dehydrating agent, resin, and wetting agent for cellophane, fiber, leather and adhesives. It can produce synthetic resin pet, fiber grade PET, that is, polyester fiber, bottle chip grade PET, which is used to make mineral water bottles, etc. It can also produce alkyd resin, glyoxal, etc. and can also be used as antifreeze. In addition to being used as automobile antifreeze, it is also used for the transmission of industrial cooling capacity. It is generally called as refrigerant. At the same time, it can also be used as condensate like water.

PHYSICAL PROPERTIES:

Form	liquid
Appearance	Clear
Molecular Weight	62.07
Boiling Point, 760 mm Hg, °C	195
Flash Point, PMCC, °F	230
Melting Point, °C	-13
Refractive Index, 20°C	1.431
Vapor Pressure, mm Hg, 20°C	0.08
Viscosity, mPa.s, 20°C	25.66
Explosive limit, (V)	3.2%

REGULATORY INFORMATION:

IMDG Classification	Non-Dangerous Goods
EINECS	203-473-3
HS Code	29053100

Anhui Eapearl Chemical Co.,Ltd.

Add: 518 Cuihu 1st Road, Tongling City, Anhui Province, P.R.China