
Technical Information

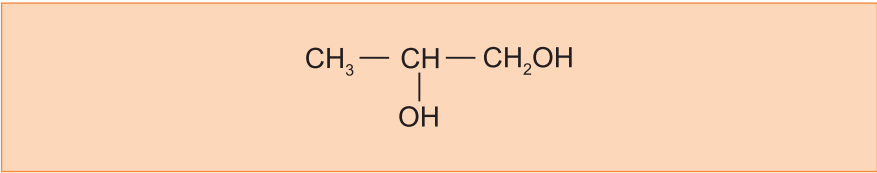
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WF-No. 117650

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Kollisolv™ PG

Propylene Glycol USP, Ph. Eur., JP, FCC

Chemical nature	1,2 Propandiol, (RS)-propane- 1,2 diol
Structural formula	 $\begin{array}{c} \text{CH}_3 - \text{CH} - \text{CH}_2\text{OH} \\ \\ \text{OH} \end{array}$
Empirical formula	$\text{C}_3\text{H}_8\text{O}_2$ (M_r : 76.1)
INCI name	Propylene Glycole
CAS-No.	57-55-6
Specification	See separate document Standard "Specification (not for regulatory purposes)" available via BASF's WorldAccount: https://worldaccount.basf.com (registered access).
Regulatory status	Meets current Propylene Glycol USP, Ph. Eur., JP, FCC monographs. The Compliance with the Directive 95/2/EC (E 1520), which regulates human food additives other than colours and sweeteners, is verified on random samples.
Properties	<p>Kollisolv PG is a clear, colourless viscous liquid of low volatility with a boiling range of 185 – 189 °C. It is odourless, neutral and hygroscopic. It is miscible in all proportions with water, lower alcohols, esters and ketones.</p> <p>Kollisolv PG is a germicide of approximately equal strength to ethanol. In solutions it suppresses the growth of microorganisms. The concentration required depending on the species, though generally 15 – 30% Kollisolv PG in the solution achieves the desired effect.</p>
Applications	<p>Kollisolv PG is manufactured in line with the current Good Manufacturing Practices (cGMP, according to ICH Q7A guideline) as a high purity grade. It is therefore suitable for any approved application.</p> <p>Kollisolv PG is used in a variety of pharmaceutical formulations:</p> <ul style="list-style-type: none">– As a preservative– As a carrier for emulsifiers and as a vehicle for flavours– As an extractant for active principles from natural products– As a plasticizer in aqueous film-coating formulations– As a solvent or cosolvent for a wide variety of active ingredients– As a solvent and stabilizer in vitamin formulations

Storage

Kollisolv PG is stable for at least 2 years in the original sealed containers.

It is important to prevent contact with air, e.g. by storing under a blanket of dry nitrogen. This precaution prevents any significant deterioration, even on prolonged storage. If atmospheric oxygen is not excluded, peroxides may be formed, which, in turn, may decompose into aldehydes and acids, spoiling the product.

Smaller containers should be kept tightly closed and stored in a well ventilated place.

PRD-No.

30554051

Packaging

Polyethylene drum	220 kg	–	Article number	50253486
Combi-IBC	1000 kg	–	Article number	50260032

Safety Data Sheet

A Safety Data Sheet is available.

Toxicology

Kollisolv PG has been toxicologically assessed.

On the basis of information at our disposal and provided that the recommended concentrations and fields of applications are adhered to, there is no evidence of any toxicological risks associated with its use. We will gladly supply details of the investigations on request.

Note

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