

Product Specification

CM – Monomers Division

PROPYLENE OXIDE

PRD-No.: 30054094

1. Document information

Document name: StS_PO_30054094_ANTW
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2. General

This product is produced by BASF Antwerp NV, Antwerp, Belgium and ELLBA (JV Shell-BASF), Moerdijk, The Netherlands. Both sites are certified according to ISO 9001.

3. Product information

Chemical Name: propylene oxide, 1,2-Epoxypropan C₃H₆O
Appearance: clear, colorless liquid, substantially free from suspended matter
CAS-Nr.: 75-56-9

4. Properties

Parameter	Unit	Specification	Test method
Purity (calculated)	w/w %	≥ 99,9	BASF GC-Method
Water	mg/kg	≤ 150	BASF GC-Method
Color		≤ 10	DIN EN 1557
Acidity (as Acid value)	mg/kg	≤ 50	Titration
Non volatile residue	mg/l	≤ 20	DIN EN 53172
Aldehydes	mg/kg	≤ 60	Bisulfite method or HPLC
Total Hydrocarbons	mg/kg	≤ 550	BASF GC-Method
Ethylene oxide	mg/kg	≤ 50	BASF GC-Method
Total organic chlorine compounds (as Cl)	mg/kg	≤ 30	BASF GC-Method

The product is manufactured according to ISO 9001 and was designed for the use in further chemical syntheses or industrial applications. From BASF's side, the product is not intended to be used for sensitive applications (e. g. food, food-contact, feed, pharma, cosmetics, personal care). Therefore, BASF has not evaluated whether the product itself, the product quality and the existing safety data supports the use in these applications. It is solely the responsibility of those to whom we supply our product to ensure that any proprietary rights and legislation are observed and required risk assessments are carried out. In particular, the customer is not relieved from carrying out its own investigations and making tests to determine and verify the suitability of the product for a particular purpose prior to use. This includes all required risk assessments and adequate measures concerning the use of our product in your intended applications.

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