



1,2-PROPANEDIOL FOR SYNTHESIS

PRODUCT CODE R01399

SYNONYMS Propylene glycol

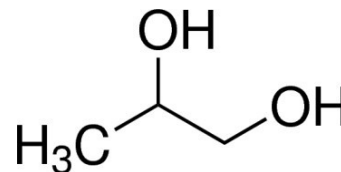
C.I. NO. N/A

CASR NO. 57-55-6

ATOMIC OR MOLECULAR FORMULA C₃H₈O₂
ATOMIC OR MOLECULAR WEIGHT 76.09

PROPERTIES

Under ordinary conditions propylene glycol is stable, but at high temperatures it tends to oxidize giving rise to products such as propionaldehyde, lactic acid, pyruvic acid & acetic acid. Combustible.


PARAMETER **LIMIT**

Description Clear, colourless viscous liquid. Absorbs moisture from moist air.

Solubility 10% aqueous solution is clear.

Minimum assay (By GC) 99.0%

Wt. per ml at 20°C 1.035 - 1.037 g

 Refractive index (n)_D²⁰ 1.431 - 1.433

Boiling Range 184 - 189°C

MAXIMUM LIMIT OF IMPURITIES

Water 0.3%

 Free acid (as CH₃COOH) 0.02%

Note(s): Assay (if applicable) method mentioned.
WARNING
Hazard statements: Not hazardous. No hazards.

Precautionary statements
Prevention: -----

Response: -----

Disposal:-----

Hazard Pictogram(s) :-----

IMDG Code : --

UN No. : --

IATA : --



GHS05

GHS07

Replace Date 1 April 2023

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