

Technical Data Sheet

MONOPROPYLENE GLYCOL (MPG)

Chemical Formula	: HO-CH ₂ -CH(OH)-CH ₃
Molecular Weight	: 76.9
Density	: 1.03 - 1.05 g/cm ³
REACH No.	: 01-2119456809-23-XXXX
EC No.	: 200-338-0
CAS No.	: 57-55-6

Application:

Propylene Glycol is used as the carrier of medicine and agent for particle medicine, as a solvent of perfume and edible pigment, emollient in food packing, and anti-adhesive, as humidor, emollient and solvent. It also can be used as tobacco flavour, lubricated solvent, and preservative. As the raw material of non-saturated alkyd resin, plasticizer, dehydration, surface active agent, solidification agent, and cohesive agent. It also used in paint industry, pesticide industry and dope industry etc. It is food grade safe to use in all food processing and manufacturing environments.

Characteristic Data:

Item	Index
Content%	≥99.5%
Colour Tone (APHA)	10 max
Index of retraction (nD20)	1.433-1.435
Moisture%	≤0.2
Free acid (as CH ₃ OOH%) ppm	≤75
Ash ppm	≤80

Other Data:

Item	Index
Appearance	water-white sticky-thick liquid
Melting point/melting range	-59.5°C
Flash point	107°C (open cup) 98.9°C (closed cup)
Boiling point/boiling range	187.3°C
Relative density	1.0381g/ml (20°C)



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Solubility:

It is soluble in the organic solvent, such as water and ethanol.

Storage:

Protect container from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture, and incompatible substances. Containers of this material may be hazardous when empty as they retain product residues (vapours, liquid); observe all warnings and precautions listed for the product.

First aid Measures:**Inhalation:**

Remove to fresh air. Not expected to require first aid measures.

Ingestion:

Not expected to require first aid measures. Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

Skin Contact:

Remove any contaminated clothing. Wash skin with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists.

Eye Contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Call a physician if irritation persists.

Note to Physician:

In case of ingestion, monitor for acidosis and central nervous system changes. Exposed persons with previous kidney dysfunction may require special treatment.

Important:

For a better suitability of the product for your particular purpose, tests are recommended prior product use. You are advised to make your own determination as to safety, appropriate manner of handling, storage, use and disposal. All the information contained in this product technical sheet is offered for your consideration, investigation and verification. The data is presented in good faith and is believed to be reliable. You should not consider the descriptions, information, data or design as a part of our terms and conditions of sale. We expressly disclaim responsibility or liability for any loss, damage or expense arising out of reliance on the information provided herein.

Customer Service:

Mobile: +994512306565
sales@farsagroup.az