



MEG

Appearance	Colourless, transparent
Purity	99.8 wt % min
Colour (Pt-Co)	5 max
DEG	0.08 wt % max
Water	0.08 wt % max
Specific gravity, 20/20 C	1.1151-1.1156
Boiling range at 0.1013 Mpa	
5% vol	Min.196 C
95% vol	Max.199 C
Aldehydes (as formaldehyde)	8 mg/kg max
Acidity (as acetic acid)	10 mg/kg max
Iron (as Fe)	0.1 mg/kg max
Inorganic chlorides (as Cl)	0.05 mg/kg max
Ash	50 mg/kg max By Req=10 mg/kg max
UV Transmittance	
-220nm	80 min
-275nm	95 min
-350 nm	99 min

Commercial uses:

MEG(Monoethylene Glycol): Antifreeze engines, production of polyethylene terephthalate (polyester fibers, film, and bottles) and heat transfer liquids.

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DEG

Appearance	Colourless, transparent
Purity	99.8 wt % min
MEG	0.05 wt % max
TEG	0.05 wt % max
Water	0.05 wt % max
Colour (Pt-Co)	10 max
Specific Gravity, 20/20 C	1.1175-1.1195
Boiling range at 0.1013 Mpa	
5% vol	Min 242 C
95% vol	Max 250 C
Acidity (as acetic acid)	50 mg/kg max
Ash	50 mg/kg max

Commercial uses:

DEG (Diethylene Glycol): Polyurethanes, polyesters, softeners (Cork, glue, casein and paper), plasticizers, gas drying, solvents, and de-icing of aircraft and runways.



TEG

Appearance	Colourless, transparent
Purity	99 wt % min
DEG	1 wt % max
PEG	0.1 wt % max
Water	0.05 wt % max
Colour (Pt-Co)	25 max
Ash	100 mg/kg max
Boiling range at 0.1013 Mpa	
5% vol	Min 280 C
95%	Max 295 C
Specific gravity, 20/20 C	1.124-1.126

Commercial uses:

TEG(Triethylene Glycol): Lacquers, solvents, plasticizer, gas drying, and humectants (moisture - retaining agents).

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Hiras Smart Trading Co.
تجارت هوشمند هیراد

CO₂ SPEC

COMPONET	wt %
EO	0.0
ACAL	-
H2O	6.8
MEG	0.0
DEG	-
TEG	-
TTEG	-
N2	-
AR	-
O2	-
CH4	0.0
C2H4	0.0
C2H5	-
CO2	93.2
H2	-
FA	-
NAOH	-
NAHCO3	-
K2CO3	-
KHCO3	-

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