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Subject: **Technical task for the purchase of raw materials for 2026 – 148/26**

Date: 29.10.2026.

Product: Coolant - Permant

Product name:

MONOETHYLENE GLYCOL - 1,2–ETHANDIOL - ($HO\text{-}CH_2\text{-}CH_2\text{-}OH$)

Product application: Monoethylene glycol used for production of different types of cooling liquids (Permant), and fluid for central heating.

Specifications:
Amount of monoethylene glycol (t): **200**
Amount of final product (t)
Packaging (delivery): **Auto-tank**

Approvals:
Delivery: **Successively**

Price:

Guaranteed values

content of monoethylen glycol, %m/m	gas chromatography	> 99.8
content of diethylene glycol, % m/m	gas chromatography	< 0.1
water %m/m	DIN 51777	< 0.1
acid number, mg KOH /g	ASTM D 1613	< 0.05
boiling temperature ^0C	ASTM D 1078	196 – 198
refractive index at 20^0C	ASTM D 1747	1.4310 – 1.4320
vapour pressure at 20^0C, mbar	-	< 0.1
surface tension at 20^0C, mN/m	ASTM D 1331	> 47
content of iron, mg/kg	-	< 1
content of cloride	-	< 1
density at 20^0C, kg/m^3	ASTM D 1122	1110 – 1120
oxide ash, % m/m	ASTM D 482	< 0.001
freezing point, ^0C	ASTM D 1177	-11 to -14

Note:

Required technical documentation that must be submitted:

- Technical Data Sheet – TDS,
- Material Safety Data Sheet – MSDS, in accordance with EU Regulative no. 1907/2006
- Technical Report (engine tests and other tests) - Technical report (may be in electronic form as well as other documents at the request of),
- Country of origin – Statement,
- REACH – status,

Tehnical task done: Branko Despotović, MSc
Head of Development, Testing and Quality Signature: