

Technical Data Sheet

Isopropylaminoethanol, mixed

Chemical Synonym

2-(isopropylamino)ethanol, 2,2'-(isopropylimino)diethanol; IPAE mixed

Applications

- Lubricants
- Paints & coatings

Product Description

Isopropylaminoethanol (IPAE) is available as a light yellow to amber liquid with an ammoniacal or amine-like odor. IPAE is produced as a mixture of 70% isopropylaminoethanol and 30% isopropyldiethanolamine.

IPAE is typically used in:

- the formulation of power transfer fluids
- corrosion protection
- lubrication enhancement in fire resistant hydraulic fluids

Typical Properties

Property	Typical Value, Units
General	
Molecular Formula	C ₅ H ₁₃ NO / C ₇ H ₁₇ NO ₂
Approximate composition	
Isopropyl Diethanolamine	30 %
Isopropyl Monoethanolamine	70 %
Boiling Point	110-265 °C
Coefficient of cubical expansion	0.00081/ °C
Density	
@ 20°C	0.93 g/cm ³
Flash Point	
Closed Cup	75 °C
Freezing Point ^a	-50 °C
Hygroscopicity	Slightly Hygroscopic
Octanol-water partition coefficient, log Pow	-0.1
pH (1% solution)	12.5
Vapor Density	
(air = 1)	4.0
Vapor Pressure	
@ 20°C	0.4 hPa
Viscosity	
@ 20°C	50.8 mPa·s
@ 30°C	27.4 mPa·s
Water solubility	Completely soluble

^aGlassy

pH, Aqueous Solutions

Normality of Solution	1.0	0.5	0.1	0.05	0.01	0.0005
pH at 25°C	12.5	12.5	12.2	12.0	11.6	10.9

Packaging

- Bulk
- Plastic drums (185 kg net)

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