

TECHNICAL DATA SHEET**DESCRIPTION**

PUMA[®] 2170 is a clear, essentially colorless liquid with a typical amine odor. It is completely soluble in water, benzene, heptane, and other organic solvents.

APPLICATION

PUMA[®] 2170 contains one primary and one tertiary amine group, which makes it of interest in many applications. For instance, when PUMA[®] 2170 is heated with a fatty acid, an amide containing a tertiary amine group is formed. Such amides can be treated with hydrogen peroxide to give amine oxides, which show excellent detergent and foam boosting properties.

GUARANTEED VALUES

Parameter	Value
N,N-dimethyl-1,3-propanediamine	99% min.
Water content	0.25% max.

TYPICAL VALUES

Parameter	Value
Physical State	Colorless Liquid
Flash Point (Closed Cup)	35 °C / 95 °F
Specific Gravity (Water = 1)	0.83
Viscosity, 100 °F, cP	0.983
Solubility in Water	100%
Drum net weight	160kg / 353lb

NOTES

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