



## Technical Data

### PRIMENE™ JM-T Amine



#### Product Description

PRIMENE™ JM-T is a primary aliphatic amine with highly branched alkyl chains in which the amino nitrogen atom is linked to a tertiary carbon to give the t-alkyl grouping shown above. It consists of a mixture of isomeric amines in the C16-22 range. The material has unique chemical and physical properties, including excellent resistance to oxidation, fluidity and low viscosity over a wide range of temperatures, outstanding color stability, and high solubility in petroleum hydrocarbons. These unique properties often extend to the derivatives of this amine. Of particular interest are the salts of organic acids, phenols, complex inorganic acids based on heavy metals, and other compounds that show unusually low solubility in oils and hydrocarbon solvents. Solubilization of such materials by PRIMENE™ JM-T permits the use of the salts in applications where effectiveness depends on solubility.

#### Application

PRIMENE™ JM-T may be utilized to great advantage in the extraction of base, precious and rare earth metals. Its superior solubility in petroleum-based solvents allows greater separation of extracted metals from aqueous solutions. The anti-corrosive effect of the product is also valuable.

#### Packaging Options

The product is available in 15 kilogram steel pails and in 168 kilogram steel drums.

#### Product Stewardship

When considering the use of any Dow products in a particular application, you should review the latest Material Safety Data Sheets from Dow and ensure that they are intended for safe use. For Material Safety Data Sheets and other product safety information, contact Dow. Before handling any other products mentioned in the text, you should obtain available product safety information and take necessary steps to ensure safety of use.

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Note: This guide is designed as a general product overview. Please contact your local Dow representative for up-to-date, detailed technical information including registrations and use limitations and to discuss individual applications or requirements.

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