CG 329 Technical Date Sheet

1. Chemical Composition

Chemical Name: Dimethyl Dodecylamine

CAS #: 112-18-5

2. Product Description

Dimethyl dodecylamine, also commonly known as dimethyl laurylamine, is a clear colorless liquid with a typical organic amine odor. It is not soluble in water. It is soluble in most organic solvents, such as hexane and ethyl acetate. Dimethyl dodecylamine has many applications in multiple industries, including lubricants, surfactants, and pharmaceuticals.

3. Applications

- Surfactants and intermediate of surfactants.
- Lubricant additives.
- Fiber detergents.
- Fabric softeners.
- Bitumen emulsifiers.
- Metal rust inhibitors.
- Antistatic agents.
- Chemical intermediates.

4. Typical Chemical and Physical Properties

Property	Typical Value
Appearance, 25 °C	Colorless clear liquid
Density, g/mL, 20 °C	0.79
Flash Point, °C	113
Total tertiary amine, wt%	97 min
Total amine value, mg KOH/g	260
Water content, % wt	0.1

5. Packaging

160 kg / drum or 352 lbs / drum

800 kg / IBC or 1,760 lbs / drum

6. Handling and Storage

Recommended handling temperature: Ambient temperature preferred, 60 °C Max.

Storage: the product is recommended to be stored in cool and dry areas. Direct sunlight should be avoided. Ambient temperature is highly recommended for long-term storage.

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