CG 339 Technical Date Sheet

1. Chemical Composition

Chemical Name: Dimethyl Octadecylamine

CAS #: 124-28-7

2. Product Description

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

3. Applications

- Surfactants and intermediate of surfactants.
- Lubricant additives.
- Dispersing agent.
- Corrosion inhibitor.
- Intermediate for cosmetic applications.
- Catalyst for Urethanes and Epoxies.
- Antistatic agents.
- Chemical intermediates.

4. Typical Chemical and Physical Properties

Property	Typical Value
Appearance, 25 °C	Light yellow Liquid
Flash Point, °C	165
Total tertiary amine, wt%	98 min
Total amine value, mg KOH/g	186
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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