CG 314 Technical Date Sheet

1. Chemical Composition

Chemical Name: Oleylamine

CAS #: 112-90-3

2. Product Description

The chemistry of CG 314 is an industrial grade oleylamine. It is a very high-volume fatty amine, with applications in many industries. The molecular formula is $C_{18}H_{37}N$. It is insoluble in water, but is soluble in most organic solvents. The common impurities in industrial grade oleylamine include other long chain fatty amines with varying chain lengths.

3. Applications

- Surfactants and intermediate of surfactants.
- Lubricant additives.
- Mineral flotation agents.
- Waterproof softener of fibers.
- Dyeing auxiliaries.
- Anti-static agents.
- Pigment dispersants.
- Anti-caking agents of fertilizers.
- Anti-rust agents.

4. Typical Chemical and Physical Properties

Property	Results
Appearance, 25 °C	Light yellow Liquid
Total Amine Value,mg KOH / g	210
Iodine Value, g / 100g	88
Freezing Point, °C	13
Water content, % wt	0.1
Primary amine content, %	98.5

5. Packaging

180 kg / metal drum, 900 kg / IBC tank

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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