CG 315 Technical Date Sheet

1. Chemical Composition

Chemical Name: Stearylamine, Octadecyl amine.

CAS #: 124-30-1

Product Description

The chemistry of CG 315 is stearyl amine. It is a amine with a C18 saturated alkyl group. It has applications in many industries. The molecular formula is $C_{18}H_{39}N$. It is insoluble in water, but is soluble in most organic solvents. The common impurities in industrial grade stearylamine include other long chain fatty amines with varying chain lengths.

2. Applications

- Surfactants and intermediate of surfactants.
- Detergents.
- Mineral flotation agents.
- Anti-caking agents of fertilizers.

3. Typical Chemical and Physical Properties

Property	Results
Appearance, 25 °C	White solid
Total Amine Value,mg KOH / g	207
Iodine Value, g / 100g	< 2
Freezing Point, °C	50
Water content, % wt	0.15
Primary amine content, %	> 98

4. Packaging

160 kg / metal drum, 900 kg / IBC tank

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5. 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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