

## TECHNICAL SPECIFICATION

**asg** chemie

# $C_4H_{11}NO_2$ **DEA 85% LFG** Diethanolamine

CAS Number: 111-42-2

### PRODUCT DESCRIPTION

DEA 85% LFG (Low Freeze Grade) is a refined diethanolamine blend formulated to maintain stability and handling performance in colder conditions. It is a colorless to pale yellow viscous liquid with a mild ammonia-like odor. The product is completely miscible with water and alcohols and functions as an effective neutralizing agent, corrosion inhibitor, and intermediate for various chemical syntheses.

### KEY FEATURES

- Low-freeze formulation suitable for cool-climate transport and storage
- High purity  $\geq 85\%$  for consistent reactivity in downstream processes
- Excellent solubility in water and alcohols
- Effective  $CO_2 / H_2S$  absorption and corrosion inhibition performance
- Compatible with a wide range of surfactant and amine systems
- Reliable handling and product stability under extended storage

### APPLICATIONS

- Gas sweetening and acid-gas absorption systems
- Corrosion-inhibitor formulations for industrial fluids
- Intermediate for surfactants and emulsifiers
- Chemical synthesis for herbicides and pharmaceuticals

### TYPICAL SPECIFICATIONS

| Parameter                  | Specification                              |
|----------------------------|--------------------------------------------|
| Appearance                 | Colorless to pale yellow liquid            |
| Colour                     | $\leq 30$ Pt-Co (GB/T 3143)                |
| Diethanolamine Assay       | $\leq \geq 85\%$ wt (GC)                   |
| Water Content              | $\leq 15\%$ wt (GB/T 6283)                 |
| Odor                       | Slight ammonia-like                        |
| Freezing Point (LFG Grade) | Below $-5^\circ C$ (Internal Method)       |
| Solubility                 | Completely miscible with water and ethanol |

TECHNICAL SERVICE  
CUSTOMER SUPPORT

toll free: +1 (352) 432-1481  
e: support@asgchemie.com

## PACKAGING

- 220 kg drums
- 1,000 / 1,100 kg IBC totes
- 20 – 24 MT flexitank

## STORAGE

Store in tightly sealed containers in a cool, dry, well-ventilated area away from direct sunlight and moisture. Avoid contact with copper, aluminum, or their alloys. Shelf life is six months under standard conditions. Handle with protective equipment to prevent contact with skin and eyes.

## SAFETY & HANDLING

Refer to the corresponding Safety Data Sheet (SDS) for details on hazards, protective measures, and first aid.

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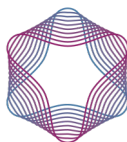
## LIMITED WARRANTY INFORMATION

### PLEASE READ CAREFULLY.

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For more information or answers to questions about the use in specific applications, contact your Technical Sales Representative or call 1-833.ASG.CHEM. (1.833.274.2436).

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Bulk Chemicals and Specialty Performance Materials

DEA 85% LFG DIETHANOLAMINE

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