

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Monoethanolamine (MEA) ACS Grade  
**Synonyms:** 2-aminoethanol, Monoethanolamine (MEA)  
**CAS Number:** 141-43-5  
**Grade/Purity:** ACS Grade  
**Product Type:** Alcohols  
**Product Use:** Industrial, Manufacturing or Laboratory use  
**Manufacturer/Supplier:** Alliance Chemical, 204 South Edmond St, Taylor, Texas 76574  
**Information:** 512-365-6838 | [www.alliancechemical.com](http://www.alliancechemical.com)  
**Emergency:** CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

### 2. HAZARDS IDENTIFICATION

**Signal Word:** Danger

**GHS Pictograms:**



**Hazard Statements:**

|      |  |
|------|--|
| H302 | Harmful if swallowed [Warning Acute toxicity, oral]                        |
| H312 | Harmful in contact with skin [Warning Acute toxicity, dermal]              |
| H314 | Causes severe skin burns and eye damage [Danger Skin corrosion/irritation] |
| H332 | Harmful if inhaled [Warning Acute toxicity, inhalation]                    |

**Precautionary Statements:**

|       |  |
|-------|--|
| P260, | P261, P264, P270, P271, P280, P301+P317, P301+P330+P331, P302+P352, P302+P361+P354, P304+P340, P305+P354+P338, P316, P317, P321, P330, P362+P364, P363, P405, and P501 |
|-------|--|

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| COMPONENT              | WEIGHT % | CAS #    | EINECS# / ELINCS# | FORMULA                          | MOLECULAR WEIGHT |
|------------------------|----------|----------|-------------------|----------------------------------|------------------|
| Monoethanolamine (MEA) | >99.5%   | 141-43-5 | 205-483-3         | C <sub>2</sub> H <sub>7</sub> NO | 61.08 g/mol      |

#### 4. FIRST-AID MEASURES

|                   |   |
|-------------------|---|
| <b>Eyes</b>       | EYES: First check the victim for contact lenses and remove if present. Flush victim's eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a hospital or poison control center. Do not put any ointments, oils, or medication in the victim's eyes without specific instructions from a physician. IMMEDIATELY transport the victim after flushing eyes to a hospital even if no symptoms (such as redness or irritation) develop.   |
| <b>Skin</b>       | Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer immediately for medical attention .   |
| <b>Inhalation</b> | INHALATION: IMMEDIATELY leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, call a physician and be prepared to transport the victim to a hospital. Provide proper respiratory protection to rescuers entering an unknown atmosphere. Whenever possible, Self-Contained Breathing Apparatus (SCBA) should be used; if not available, use a level of protection greater than or equal to that advised under Protective Clothing.  |
| <b>Ingestion</b>  | INGESTION: DO NOT INDUCE VOMITING. Corrosive chemicals will destroy the membranes of the mouth, throat, and esophagus and, in addition, have a high risk of being aspirated into the victim's lungs during vomiting which increases the medical problems. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and IMMEDIATELY call a hospital or poison control center. IMMEDIATELY transport the victim to a hospital. If the victim is convulsing or unconscious, do not give anything by mouth, ensure that the victim's airway is open and lay the victim on his/her side with the head lower than the body. DO NOT INDUCE VOMITING. Transport the victim IMMEDIATELY to a hospital. (NTP, 1992) |

#### 5. FIRE-FIGHTING MEASURES

|                             |   |
|-----------------------------|---|
| <b>Suitable Media</b>       | Dry chemical, CO2, water spray. Use water spray to cool containers.   |
| <b>Unsuitable Media</b>     | Do not use a solid water stream as it may scatter and spread fire.    |
| <b>Protective Equipment</b> | Wear self-contained breathing apparatus and full protective clothing. |
| <b>Combustion Products</b>  | May include carbon oxides and other toxic fumes. See Section 10.      |

#### 6. ACCIDENTAL RELEASE MEASURES

|                                  |   |
|----------------------------------|---|
| <b>Personal Precautions</b>      | Use PPE as described in Section 8. Ensure adequate ventilation. Evacuate personnel to safe areas.       |
| <b>Environmental</b>             | Prevent leakage or spillage from entering drains, sewers, or waterways.                                 |
| <b>Containment &amp; Cleanup</b> | Absorb with inert material. Collect in appropriate waste container. Dispose per applicable regulations. |

#### 7. HANDLING AND STORAGE

|                      |   |
|----------------------|---|
| <b>Safe Handling</b> | Use with adequate ventilation. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. Keep container closed when not in use.                      |
| <b>Safe Storage</b>  | Store in a cool, dry, well-ventilated area. Use corrosion-resistant containers. Keep away from incompatible materials (see Section 10). Keep containers tightly closed. |

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Use adequate ventilation. Provide eyewash stations and quick-drench showers accessible to areas of use.

**Occupational Exposure Limits:**

No established occupational exposure limits.

|                   |   |
|-------------------|---|
| <b>Eyes</b>       | Wear chemical safety goggles or face shield.  |
| <b>Skin</b>       | Wear chemical-resistant gloves and protective clothing.                             |
| <b>Inhalation</b> | Use NIOSH-approved respirator if exposure limits are exceeded or irritation occurs. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                   |   |
|-------------------|---|
| Appearance        | Clear, colorless liquid                       |
| Odor              | Characteristic                                |
| pH                | Not Available                                 |
| Melting Point     | 10°C (50°F)                                   |
| Boiling Point     | 170°C (338°F)                                 |
| Flash Point       | 85°C (185°F)                                  |
| Vapor Pressure    | Not Available                                 |
| Specific Gravity  | 1.018   |
| Solubility        | Miscible with water and many organic solvents |
| Molecular Formula | C <sub>2</sub> H <sub>7</sub> NO              |
| Molecular Weight  | 61.08 g/mol                                   |

## 10. STABILITY AND REACTIVITY

|                        |   |
|------------------------|---|
| Chemical Stability     | Stable under recommended storage conditions.                                      |
| Hazardous Reactions    | None under normal processing conditions.  |
| Conditions to Avoid    | Heat, sparks, open flame, and incompatible materials.                             |
| Incompatible Materials | Strong acids, strong bases, reactive metals, water (for some concentrated forms). |
| Decomposition Products | May produce carbon oxides and other toxic fumes when heated to decomposition.     |

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity: See Section 2 for GHS hazard classification.

|      |                           |
|------|---------------------------|
| IARC | Not listed as carcinogen. |
| NTP  | Not listed as carcinogen. |
| OSHA | Not listed as carcinogen. |

## 12. ECOLOGICAL INFORMATION

|                  |   |
|------------------|---|
| Ecotoxicity      | Data not available. Avoid release to the environment. |
| Persistence      | Not Available   |
| Bioaccumulation  | Not Available   |
| Mobility in Soil | Not Available   |

## 13. DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with applicable federal, state, and local regulations. Do not dispose of into drains or waterways.

## 14. TRANSPORT INFORMATION

|                  |   |
|------------------|---|
| US DOT           | UN2491, ETHANOLAMINE, 8, PG III   |
| IMDG             | UN2491, ETHANOLAMINE, 8, PG III, Tunnel (E)   |
| IATA/ICAO        | UN2491, ETHANOLAMINE, 8, PG III<br>Passenger: 5 L (PI 852); Cargo only: 60 L (PI 856) |
| Marine Pollutant | No  |

## 15. REGULATORY INFORMATION

|                           |  |
|---------------------------|--|
| <b>TSCA Inventory</b>     | All ingredients are listed on the TSCA Active inventory.         |
| <b>California Prop 65</b> | Refer to California Proposition 65 list for current status.      |
| <b>SARA 311/312</b>       | See Section 2 for hazard classifications.                        |
| <b>SARA 313</b>           | Refer to EPA Toxic Release Inventory for current listing status. |

## 16. OTHER INFORMATION

**Revision Date:** 03/31/2026

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