

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Initial preparation date: : 02.04.2015**2-Aminoethanol, ACS****SECTION 1: Identification of the substance/mixture and of the supplier****Product name:** 2-Aminoethanol, ACS**Manufacturer/Supplier Article number:** AE1500**Recommended uses of the product and restrictions on use:** Laboratory**Manufacturer Details:**

AquaPhoenix Scientific, Inc.
860 Gitts Run Road
Hanover, PA 17331
1-717-632-1291

Emergency telephone number:**ChemTel: (24-hour)**

+1(800)255-3924

+1(813)248-0585 (International)

SECTION 2: Hazards identification**Classification of the substance or mixture:****Irritant**

Acute toxicity (oral, dermal, inhalation), category 4

**Corrosive**

Skin corrosion, category 1B

Serious eye damage, category 1

Flamm. Liq. 4.

Aq ChrTox. 3.

Oral. AcTox. 4.

Inhal. AcTox. 4.

Derm. AcTox. 4.

Skin. Corr. 1B.

Eye. Damage. 1.

Aq AcTox. 3.

Signal word: Danger**Hazard statements:**

Combustible liquid.

Harmful if swallowed.

Harmful in contact with skin.

Harmful if inhaled.

Causes severe skin burns and eye damage.

Harmful to aquatic life with long lasting effects.

Precautionary statements:

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wash skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Avoid release to the environment.

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Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.

Specific measures (see supplemental first aid instructions on this label).

Wash contaminated clothing before reuse.

In case of fire, use agents recommended in section 5 for extinction.

Store in a well ventilated place. Keep cool.

Store locked up.

Dispose of contents and container as instructed in Section 13.

Other Non-GHS Classification: None**SECTION 3: Composition/information on ingredients****Ingredients:**

Ingredients:		
CAS 141-43-5	Ethanolamine	100 %
Percentages are by weight		

SECTION 4: First aid measures**Description of first aid measures****After inhalation:**

Seek medical assistance.

After skin contact:

Seek medical assistance.

After eye contact:

Continue rinsing eyes during transport to hospital. Immediately seek medical attention.

After swallowing:

Seek medical assistance.

Most important symptoms and effects, both acute and delayed:

Inhalation: Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Indication of any immediate medical attention and special treatment needed: None**SECTION 5: Firefighting measures****Extinguishing media****Suitable extinguishing agents:** None**Unsuitable extinguishing agents:** None**Special hazards arising from the substance or mixture:**

Remove all sources of ignition when handling. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

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2-Aminoethanol, ACS**Advice for firefighters:****Protective equipment:** None**Additional information (precautions):** None**SECTION 6: Accidental release measures****Personal precautions, protective equipment and emergency procedures:** None**Environmental precautions:** None**Methods and material for containment and cleaning up:**

Contain spillage. Collect with an electrically protected vacuum cleaner or by wet-brushing.

Reference to other sections: None**SECTION 7: Handling and storage****Precautions for safe handling:**

Prevent the buildup of electrostatic charge. Hygroscopic - store under inert gas.

Conditions for safe storage, including any incompatibilities: None**SECTION 8: Exposure controls/personal protection**

Control parameters: 141-43-5, Ethanolamine , TWA 3 ppm USA. ACGIH.
 141-43-5, Ethanolamine, TWA 3 ppm 6 mg/m³ USA. (OSHA).
 141-43-5, Ethanolamine, TWA 3.000000 ppm 8.000000 mg/m³ USA.
 NIOSH.

Appropriate engineering controls: None**Respiratory protection:** None**Protection of skin:** None**Eye protection:** Face shield (8-inch minimum). Tightly fitting safety goggles are appropriate eyewear.**General hygienic measures:** None**SECTION 9: Physical and chemical properties**

Appearance (physical state, color):	Clear colorless liquid	Explosion limit lower:	2.5 %
		Explosion limit upper:	17 %
Odor:	Not determined	Vapor pressure at 20°C:	0.3 hPa at 20 °C
Odor threshold:	Not determined	Vapor density:	2.11 - (Air = 1.0)
pH-value:	Not determined	Relative density:	1.012 g/mL at 25 °C
Melting/Freezing point:	10 - 11 °C	Solubilities:	None
Boiling point/Boiling range:	170 °C	Partition coefficient (n-octanol/water):	Not determined
Flash point (closed cup):	86 °C	Auto/Self-ignition temperature:	Not determined
Evaporation rate:	Not determined	Decomposition temperature:	Not determined
Flammability (solid, gaseous):	Not determined	Viscosity:	a. Kinematic: Not determined b. Dynamic: Not determined
Density at 20°C:	Not determined		

SECTION 10: Stability and reactivity**Reactivity:** None

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Absorbs carbon dioxide from air.

Possible hazardous reactions: None**Conditions to avoid:**

Moisture sensitive. Excessive heat. Sources of ignition.

Incompatible materials:

Strong acids, Oxidizing agents, Iron, Copper, Brass, Rubber.

Hazardous decomposition products:

Carbon oxides, Nitrogen oxides.

SECTION 11: Toxicological information**Acute Toxicity:****Dermal:**

LD50 Dermal - Rabbit - 1,015 mg/kg 141-43-5.

Chronic Toxicity: No additional information.**Skin corrosion/irritation:** No additional information.**Serious eye damage/irritation:**

Eyes - Rabbit Result: Severe eye irritation 141-43-5.

Respiratory or skin sensitization: No additional information.**Carcinogenicity:** No additional information.**Germ cell mutagenicity:** No additional information.**Reproductive Toxicity:** No additional information.**STOT-single and repeated exposure:** No additional information.**Additional toxicological information:**

No additional information.

SECTION 12: Ecological information**Ecotoxicity:**

141-43-5, LC50 - Pimephales promelas (fathead minnow) - 227 mg/l - 96 h.

141-43-5, EC50 - Daphnia magna (Water flea) - 65 mg/l - 48 h.

141-43-5, EC50 - Desmodemus subspicatus (green algae) - 15 mg/l - 72 h.

Persistence and degradability: No additional information.**Bioaccumulative potential:** No additional information.**Mobility in soil:** No additional information.**Other adverse effects:** No additional information.**SECTION 13: Disposal considerations****Waste disposal recommendations:**

Combustible material. Burn in a chemical incinerator equipped with an afterburner and scrubber.

SECTION 14: Transport information

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2-Aminoethanol, ACS**US DOT****UN Number:**

ADR, ADN, DOT, IMDG, IATA

2491

Limited Quantity Exception:

None

Bulk:**RQ (if applicable):** None**Proper shipping Name:** Ethanolamine.**Hazard Class:** 8**Packing Group:** III.**Marine Pollutant (if applicable):** No additional information.**Comments:** None**Non Bulk:****RQ (if applicable):** None**Proper shipping Name:** Ethanolamine.**Hazard Class:** 8**Packing Group:** III.**Marine Pollutant (if applicable):** No additional information.**Comments:** None**SECTION 15: Regulatory information****United States (USA)****SARA Section 311/312 (Specific toxic chemical listings):**

Acute, Chronic, Fire

SARA Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

RCRA (hazardous waste code):

None of the ingredients are listed.

TSCA (Toxic Substances Control Act) :

All ingredients are listed.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

141-43-5 Ethanolamine 100 lbs.

Proposition 65 (California):**Chemicals known to cause cancer:**

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

Canada**Canadian Domestic Substances List (DSL) :**

All ingredients are listed.

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This product has been classified in accordance within GHS guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 3-0-0**HMIS:** 3-0-0**GHS Full Text Phrases:** None**Abbreviations and Acronyms:** None