



# Safety Data Sheet

Version 8.0  
Revision Date: 25/06/2021

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: **2-Aminoethyl methacrylate hydrochloride**  
 Product abbreviation: AEMA-HCl  
 Product use: For laboratory research purposes.  
 Supplier / Manufacturer: Polymer Source, Inc.  
 Address: 124 Avro street, Dorval (Montreal), Quebec H9P 2X8, Canada  
 Telephone: (+1) 514-421-5517  
 Toll free: 1-866-422-9842  
 Fax: (+1) 514-421-5518  
 Emergency phone: (+1) 514-887-5517  
 E-mail: [info@polymersource.com](mailto:info@polymersource.com)

## 2. HAZARDS IDENTIFICATION

Globally Harmonized System (GHS) classification in accordance with Hazardous Products Regulations (HPR) (SOR/2015-17):  
 Skin irritation (Category 2); H315  
 Eye irritation (Category 2A); H319

GHS Label elements, including precautionary statements:

Pictogram:



Signal word:

Warning

Hazard statements:

H315. Causes skin irritation.  
H319. Causes serious eye irritation.

Precautionary statements:

P264. Wash skin thoroughly after handling.  
 P280. Wear protective gloves/eye protection/face protection.  
 P302 + P352. *If on skin:* Wash with plenty of water.  
 P305 + P351 + P338. *If in eyes:* Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P332 + P313. If skin irritation occurs: Get medical advice / attention.  
 P337 + P313. If eye irritation persists: Get medical advice / attention  
 P362 + P364. Take off contaminated clothing and wash it before reuse.

Hazards not otherwise classified (HNOC) or not covered by GHS

none

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

---

Formula:	C <sub>6</sub> H <sub>11</sub> NO <sub>2</sub> · HCl
Molecular weight:	165.62 g/mol
Concentration:	> 98 %
CAS registry number:	2420-94-2
Classification	Skin Irrit. 2; Eye Irrit. 2A; H315, H319

### 4. FIRST AID MEASURES

---

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact:	Wash off with soap and plenty of water. Consult a physician.
In case of eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	No data available

### 5. FIRE-FIGHTING MEASURES

---

Extinguishing media Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture	Carbon oxides, Nitrogen oxides (NO <sub>x</sub> ), Hydrogen chloride gas combustible.
Advice for firefighters:	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	No data available

### 6. ACCIDENTAL RELEASE MEASURES

---

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.  For personal protection see section 8.
Environmental precautions:	Do not let product enter drains.
Methods and materials for containment and cleaning up:	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
Reference to other sections	For disposal see section 13.

## 7. HANDLING AND STORAGE

---

Precautions for safe handling:	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature 2-8 °C. Storage class (TRGS 510): 11: Combustible solids
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

---

Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal protective equipment:	
• Eye/face protection:	Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
• Skin protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
• Body protection:	Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
• Respiratory protection:	For nuisance exposures use type N95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Control of environmental exposure	Do not let product enter drains.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

Appearance:	Form:	solid
	Colour	beige
Safety data:	pH:	no data available
	Melting point / Freezing point:	102 - 110 °C (216 - 230 °F) - lit.
	Initial boiling point and boiling range:	no data available
	Flash point:	no data available
	Ignition temperature:	no data available
	Auto-ignition temperature:	no data available
	Lower explosion limit:	no data available

Upper explosion limit:	no data available
Vapour pressure:	no data available
Density:	no data available
Water solubility:	no data available
Partition coefficient: n-octanol/water:	no data available
Relative vapour density:	no data available
Odour:	no data available
Odour threshold:	no data available
Evaporation rate:	no data available

## 10. STABILITY AND REACTIVITY

---

Reactivity:	no data available
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	no data available
Conditions to avoid:	no data available
Materials to avoid:	Strong oxidizing agents.
Hazardous decomposition products:	Hazardous decomposition products formed under fire conditions: Carbon oxides, Nitrogen oxides (NO <sub>x</sub> ), Hydrogen chloride gas Other decomposition products: no data available. In the event of fire: see section 5

## 11. TOXICOLOGICAL INFORMATION

---

Acute toxicity:	Oral LD50:	no data available
	Inhalation LC50:	no data available
	Dermal LD50:	no data available
	Other information on acute toxicity:	no data available
Skin corrosion/irritation:	no data available	
Serious eye damage/eye irritation:	no data available	
Respiratory or skin sensitization:	no data available	
Germ cell mutagenicity:	no data available	
	IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Carcinogenicity:	ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
	Reproductive toxicity:	no data available
Teratogenicity:	no data available	
Specific target organ toxicity:	Single exposure (Globally Harmonized System):	no data available

	Repeated exposure (Globally Harmonized System):	no data available
Aspiration hazard:		no data available
Synergistic effects:		no data available
Additional information:	RTECS:	no data available

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

## 12. ECOLOGICAL INFORMATION

---

Toxicity:	no data available
Persistence and degradability:	no data available
Bioaccumulative potential:	no data available
Mobility in soil:	no data available
PBT and vPvB assessment:	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other adverse effects:	no data available

## 13. DISPOSAL CONSIDERATIONS

---

Product:	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging:	Dispose of as unused product.

## 14. TRANSPORT INFORMATION

---

DOT (US):	Not dangerous goods.
IMDG:	Not dangerous goods.
IATA:	Not dangerous goods.

## 15. REGULATORY INFORMATION

---

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

## 16. OTHER INFORMATION

---

Date of the latest revision:	25 June 2021
Further information:	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Polymer Source, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. See <a href="http://www.polymersource.ca">www.polymersource.ca</a> for additional terms and conditions of sale.