



Section 1: Identification

PRODUCT AND COMPANY INFORMATION

**Product Name:** 2-Hydroxyethyl acrylate      **Molecular Formula:** C<sub>5</sub>H<sub>8</sub>O<sub>3</sub>  
**Catalog Number(s):** M-142  
**Company:** Scientific Polymer Products, Inc.  
6265 Dean Parkway  
Ontario, NY 14519  
**Telephone:** 585/265-0413  
**Fax:** 585/265-1390  
**Website:** www.scipoly.com  
**Emergency Phone Number:** 800-255-3924 (CHEM TEL)

Section 2: Hazards Identification

Classification of the substance or mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Acute Toxicity, Oral, Category 4, H302  
Skin Irritation, Category 2, H315  
Serious Eye Damage, Category 1, H318  
Skin Sensitization, Category 1, H317  
Acute Aquatic Toxicity, Category 1, H400  
Chronic Aquatic Toxicity, Category 1, H410

GHS Label elements, including precautionary statements

Pictogram(s)



Signal Word: Danger

Hazard Statement(s):

H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled  
H314 Causes severe skin burns and eye damage  
H317 May cause an allergic skin reaction  
H318 Causes serious eye damage  
H317 Skin Sensitization  
H400 Acute Aquatic Toxicity  
H410 Chronic Aquatic Toxicity

Precautionary Statement(s):

P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
P264 Wash skin thoroughly after handling  
P270 Do not eat, drink or smoke when using this product  
P272 Contaminated work clothing should not be allowed out of the workplace  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P301+P312 IF SWALLOWED, immediately call a POISON CENTER or doctor/physician.  
P302+P352 IF ON SKIN, wash with plenty of soap and 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.
P310	Immediately call a POISON CENTER or doctor/physician.
P321	Specific treatment (see supplemental first aid instructions on this label)
P330	Rinse mouth
P333+P313	If skin irritation or rash occurs, get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P391	Collect spillage.
P501	Dispose of contents/container to an approved waste disposal plant.

**Hazards Not Otherwise Classified (HNOC) or Not Covered by GHS:** None

To the best of our knowledge, the toxicological properties of this chemical have not been thoroughly investigated. Use appropriate procedures and precautions to prevent or minimize exposure.

### Section 3: Composition/Information on Ingredients

Ingredient	CAS-No.	Concentration
2-Hydroxyethylacrylate	818-61-1	100

### Section 4: First Aid Measures

#### Description of First Aid Measures:

##### General Advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

##### Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

##### Skin Contact

Wash off with soap and plenty of water. Consult a physician.

##### Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

##### Ingestion

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) and/or Section 11.

##### Indication of Any Immediate Medical Attention and Special Treatment Needed

No data available

### Section 5: Fire-Fighting Measures

##### Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

##### Special Hazards Arising from the Substance or Mixture

Carbon oxides

##### Advice for Fire-Fighting

Wear self-contained breathing apparatus for fire-fighting if necessary.

##### Further Information

No data available

## Section 6: Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection, see Section 8.

### Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### Methods and Materials for Containment and Cleaning Up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### Reference to Other Section

For disposal see Section 13

## Section 7: Handling and Storage

### Precautions for Safe Handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. For precautions see Section 2.

### Conditions for Safe Storage, Including any Incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature 2-8°C.

### Specific End-Use(s)

Laboratory chemicals, manufacture of substances

## Section 8: Exposure Controls/Personal Protection

### Control Parameters

### Components with Workplace Control Parameters

Contains no substances with occupational exposure limit values

### Exposure Controls

### 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

Tightly fitting safety goggles. Face shield (8-inch minimum). 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

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory Protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## Control of Environmental Exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### Section 9: Physical and Chemical Properties

#### Information on basic physical and chemical properties

a)	Appearance	Form: Liquid
b)	Odor	No data available
c)	Odor Threshold	No data available
d)	pH	No data available
e)	Melting point/freezing point	No data available
f)	Initial boiling point and boiling range	230°C
g)	Flash point	104°C
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	No data available
k)	Vapor pressure	No data available
l)	Vapor density	No data available
m)	Relative density	1.11 g/cm <sup>3</sup> (20°C)
n)	Water solubility	Miscible
o)	Partition coefficient: n- octanol/water	10g Pow -0.21
p)	Auto-ignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	No data available

#### Other safety information

No data available

### Section 10: Stability and Reactivity

#### Reactivity

No data available

#### Chemical Stability

Stable under recommended storage conditions. Contains Mequinol, >=200 - <650 ppm

#### Possibility of Hazardous Reactions

No data available

#### Conditions to Avoid

No data available

#### Incompatible Materials

No data available

#### Hazardous Decomposition Products

No data available.

In the event of a fire, see Section 5.

### Section 11: Toxicological Information

#### Information on Toxicological Effects:

<b>Acute Toxicity:</b>	Oral LD50 (Rat):	598 mg/kg
<b>Skin Corrosion/Irritation:</b>	Rabbit:	Severe skin irritation
<b>Serious Eye Damage/Eye Irritation:</b>	Rabbit:	Severe eye irritation – 24 h
<b>Respiratory or Skin Sensitization:</b>	No data available	
<b>Germ Cell Mutagenicity:</b>	No data available	

### **Carcinogenicity:**

- 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.
- ACGIH: 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 ACGIH.
- NTP: 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 NTP.
- OSHA: 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 OSHA.

- Reproductive Toxicity:** No data available
- Specific Target Organ Toxicity – Single Exposure:** No data available
- Specific Target Organ Toxicity – Repeated Exposure:** No data available
- Aspiration Hazard:** No data available
- Additional Information:** RTECS: No data available

Stomach-Irregularities – Bases on Human Evidence (Mequinol)

## **Section 12: Ecological Information**

### **Toxicity**

Toxicity to Fish: Pimephales promelas (fathead minnow) – 4.8 mg/l – 96 h

Toxicity to Daphnia and Other Aquatic Invertebrates: Daphnia Magna (Water Flea) – 0.78 mg/l – 48 h

### **Persistence and Degradability**

No data available

### **Bioaccumulative Potential**

No data available

### **Mobility in Soil**

No data available

### **Results of PBT and vPvB Assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### **Other Adverse Effects**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.

## **Section 13: Disposal Considerations**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional and national hazardous waste regulations to ensure complete and accurate classification.

## **Section 14: Transport Information**

### **DOT (US)**

UN number: 2922                      Class: 8 (6.1)                      Packing group: III  
Proper shipping name: Corrosive liquid, toxic, n.o.s.(2-Hydroxyethyl acrylate)  
Poison Inhalation Hazard: No

### **IMDG**

UN number: 2922                      Class: 8 (6.1)                      Packing group: III  
Proper shipping name: Corrosive liquid, toxic, n.o.s.(2-Hydroxyethyl acrylate)  
Marine pollutant: Yes

### **IATA**

UN number: 2922                      Class: 8 (6.1)                      Packing group: III  
Proper shipping name: Corrosive liquid, toxic, n.o.s.(2-Hydroxyethyl acrylate)

## Section 15: Regulatory Information

### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### SARA 311/312 Hazards

Acute Health Hazard

### Massachusetts Right-to-Know Components

2-Hydroxyethyl acrylate	CAS-No. 818-61-1
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### Pennsylvania Right-to-Know Components

2-Hydroxyethyl acrylate	CAS-No. 818-61-1
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### New Jersey Right-to-Know Components:

2-Hydroxyethyl acrylate	CAS-No. 818-61-1
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### California Proposition 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

## Section 16: Other Information

### HMIS Rating

Health:	3
Flammability:	1
Reactivity:	1

### NFPA Rating

Health:	3
Flammability:	1
Reactivity:	2

This material is intended for laboratory use only. It is not sold or intended for drug, household or other uses. The information represents the most accurate and complete data currently available to us. However, we make no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use.