

**Section 1: Identification****PRODUCT AND COMPANY INFORMATION**

**Product Name:** Polyethylene glycol 400 dimethacrylate

**Catalog Number(s):** M-176      **Molecular Formula:**  $(C_2H_4O)_x C_8H_{10} O_3$

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

Skin Irritation, Category 2, H315  
Eye Irritation, Category 2A, H319  
Specific target organ toxicity- single exposure Category 3, Respiratory system, H335

**GHS Label elements, including precautionary statements**

Pictogram(s)



Signal Word: Warning

Hazard Statement(s)

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

Precautionary Statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/vapors/ spray.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P332+P313 If skin irritation occurs, get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.  
P403+P233 Store in a well ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 Dispose of contents/container to an approved waste disposal plant.

**Hazards Not Otherwise Classified (HNOC) or Not Covered by GHS:** No data available

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 Number	Concentration (%)
Polyethylene glycol 400 dimethacrylate	25852-47-5	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.

#### 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

#### Suitable extinguishing media

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

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

Nature of decomposition products not known.

#### 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 dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. 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.

## Section 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.

### Conditions for Safe Storage, Including any Incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature -20° C

Heat, light and moisture sensitive. Handle and store under inert gas.

### Specific End-Use(s)

Laboratory chemicals, Synthesis 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

Face shield and safety glasses. 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. Flame retardant antistatic protective 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 OV/AG or type ABEK (EU EN 14387) 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.

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

- |    |                |                       |
|----|----------------|-----------------------|
| a) | Appearance     | Form: Solid           |
| b) | Odor           | Faint, characteristic |
| 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	>200° C (392° F)
g)	Flash point	113° C (235° F)- closed cup
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	No data available
n)	Water solubility	No data available
o)	Partition coefficient: n- octanol/water	No data available
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.

**Possibility of Hazardous Reactions**

No data available

**Conditions to Avoid**

No data available

**Incompatible Materials**

No data available

**Hazardous Decomposition Products**

Other decomposition products - No data available.  
In the event of a fire, see Section 5.

## Section 11: Toxicological Information

**Information on Toxicological Effects:**

**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

**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**

Inhalation- May cause respiratory irritation

**Specific Target Organ Toxicity – Repeated Exposure**

No data available

**Aspiration Hazard**

No data available

**Additional Information:**

RTECS: Not available

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

**Section 12: Ecological Information****Toxicity**

No data available

**Persistence & Degradability**

No data available

**Bioaccumulation 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**

No data available

**Section 13: Disposal Considerations****Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service for disposal of this material.

**Contaminated packaging**

Dispose of as unused product.

## Section 14: Transport Information

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

## 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**

No components are subject to the Massachusetts Right to Know Act

**Pennsylvania Right-to-Know Components**

Polyethylene glycol 400 dimethacrylate

CAS-No.  
25852-47-5

**New Jersey Right-to-Know Components**

Polyethylene glycol 400 dimethacrylate

CAS-No.  
25852-47-5

**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 hazard: 2  
Flammability: 1  
Physical Hazard: 0

**NFPA Rating**

Health hazard: 2  
Flammability: 1  
Physical Hazard: 0

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.