

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

**Product Name:** Trimethylolpropane trimethacrylate      **Molecular Formula:** C<sub>18</sub>H<sub>26</sub>O<sub>6</sub>  
**Catalog Number(s):** M-173  
**Company:** Scientific Polymer Products, Inc.  
6265 Dean Parkway  
Ontario, NY 14519  
**Telephone:** 585/265-0413  
**Fax:** 585/265-1390  
**Website:** [www.scipoly.com](http://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 Aquatic Toxicity, Category 2, H401  
Chronic Aquatic Toxicity, Category 2, H411

**GHS Label elements, including precautionary statements**

Pictogram



Signal word      None

Hazard statement(s)

H411      Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P273      Avoid release to the environment.  
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 Number	Concentration (%)
Trimethylolpropane trimethacrylate	3290-92-4	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.

#### 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

Flush eyes with water as a precaution

#### 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) and/or in section 11

#### Indication of any immediate medical attention and special treatment needed

No data available

## Section 5: Fire-Fighting Measures

### Suitable 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 firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

### Further information

No data available

## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

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

Keep in suitable, closed containers for disposal.

### Reference to other sections

For disposal see section 13.

## Section 7: Handling and Storage

### Precautions for safe handling

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.

Product is sensitive to light and moisture.  
Storage class (TRGS 510): Noncombustible liquids

**Specific end use(s)**  
Laboratory chemicals, Manufacture of substances

## Section 8: Exposure Controls/Personal Protection

### Control parameters

#### Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
Trimethylolpropane trimethacrylate	3290-92-4	TWA	1.000000mg/m3	USA. Workplace Environmental Exposure Levels (WEEL)

### 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

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

Respiratory protection not required. 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

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

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

a)	Appearance	Form: Liquid
b)	Odor	Slightly ester-like
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	>204° C (399° F)
g)	Flash point	>130° C (266° F)
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	0.00002 mmHg (20° C)
l)	Vapor density	No data available
m)	Relative density	No data available
n)	Water solubility	Slightly soluble
o)	Partition coefficient: n- octanol/water	No data available
p)	Auto-ignition temperature	No data available
q)	Decomposition temperature	360° C (680° F)
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**

Strong acids and oxidizing agents

**Hazardous decomposition products**

Other decomposition products- No data available

In the event of fire: see section 5

## Section 11: Toxicological Information

**Information on toxicological effects**

**Acute toxicity**

LD50 Oral- female- >2,000mg/kg

Inhalation: No data available

LD50 Dermal: Rat-male and female- >2,000mg/kg  
(OECD Test Guideline 402)

**Skin corrosion/irritation**

Skin-Rabbit

Result-No skin irritation- 4 h  
(OECD Test Guideline 404)

**Serious eye damage/eye irritation**

Eyes-Rabbit

Result-No eye irritation- 24 h  
(OECD Test Guideline 405)

**Respiratory or skin sensitization**

Maximization Test (GPMT)-Guinea Pig  
Result-Does not cause sensitization  
(OECD Test Guideline 406)

#### **Germ cell mutagenicity**

Ames test  
S. typhimurium  
Result- Negative

Mutagenicity (micronucleus test)  
Mouse- Male and female  
Result-Negative

#### **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 a carcinogen or potential carcinogen by ACGIH.
- NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### **Reproductive toxicity**

No data available

#### **Specific target organ toxicity- single exposure (GHS)**

No data available

#### **Specific target organ toxicity- repeated exposure (GHS)**

No data available

#### **Aspiration hazard**

No data available

#### **Additional Information**

Repeated dose toxicity-Rat-male and female-Oral-No observed adverse effect level-900mg/kg

#### **Additional Information**

RTECS: TY6675000

Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## **Section 12: Ecological Information**

### **Toxicity**

Toxicity to fish	Flow through test LC50- Oncorhynchus mykiss (Rainbow Trout)- 2mg/l-96 h (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	Immobilization EC50-Daphnia magna (Water Flea)-9.22mg/l-48 h (OECD Test Guideline 202)
Toxicity to algae	Growth inhibition NOEC-Pseudokirchneriella subcapitata (green algae)- 0.177mg/l-72 h (OECD Test Guideline 201)
Toxicity to bacteria	Respiration inhibition EC50-Sludge Treatment- >1,000mg/l- 3 h

(OECD Test Guideline 209)

**Persistence and degradability**

Biodegradability

Aerobic-Exposure time 28 d  
Result-53% -Not readily biodegradable  
(OECD Test Guideline 301B)

**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. Toxic to aquatic life with long lasting effects.

**Section 13: Disposal Considerations**

**Waste treatment methods**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

**Section 14: Transport Information**

**DOT (US)**

Not dangerous goods

**IMDG**

UN number: 3082                      Class: 9                      Packing group: III                      EMS-No: F-A, S-F  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Trimethylolpropane trimethacrylate)  
Marine pollutant: yes

**IATA**

UN number: 3082                      Class: 9                      Packing group: III  
Proper shipping name: Environmentally hazardous substance, liquid, N.O.S. (Trimethylolpropane trimethacrylate)

**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**

Trimethylolpropane trimethacrylate

CAS-No.  
3290-92-4

**New Jersey Right to Know Components**

Trimethylolpropane trimethacrylate

CAS-No.  
3290-92-4

**California Prop. 65 Components**

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

**Section 16: Other Information**

**HMIS Rating**

Health: 0  
Flammability: 0  
Reactivity: 0

**NFPA Rating**

Health: 0  
Flammability: 0  
Reactivity: 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.