



**Section 1: Identification**

**PRODUCT AND COMPANY INFORMATION**

**Product Name:** Trimethylolpropane triacrylate      **Molecular Formula:** C<sub>15</sub>H<sub>20</sub>O<sub>6</sub>  
**Catalog Number(s):** M-194  
**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)**

Skin irritation, Category 2, H315  
Eye irritation, Category 2A, H319  
Skin sensitization, Category 1, H317

**GHS Label elements, including precautionary statements**

Pictogram



Signal word      Warning

Hazard statement(s)

H315      Causes skin irritation.  
H317      May cause an allergic skin reaction.  
H319      Causes serious eye irritation.

**Supplemental hazard statements:**

Processing may release vapors and/or fumes which cause eye and skin burns and respiratory tract irritation.

Precautionary statement(s)

P261      Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264      Wash skin thoroughly after handling.  
P272      Contaminated work clothing should not be allowed out of the workplace.  
P280      Wear protective gloves/eye protection/face protection.  
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.  
P333+P313      If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313      If eye irritation persists: Get medical advice/attention.  
P362      Take off contaminated clothing and wash before reuse.  
P501      Dispose of contents/container to an approved waste disposal plant.

**Supplemental information:****Potential Health Effects:**

Effects due to processing releases or residual monomer. Irritating to eyes, respiratory system and skin. Prolonged or repeated exposure may cause: headache, drowsiness, nausea, weakness (severity of effects depends on extent of exposure).

**Other:**

This product may release fume and/or vapor of variable composition depending on processing time and temperature. Possible cross sensitization with other acrylates and methacrylates.

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 triacrylate	15625-89-5	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

**If inhaled**

If breathed in, move person into fresh air.

**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**

Do NOT induce vomiting. 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. Use water spray to cool unopened containers.

**Further information**

When burned, the following hazardous products of combustion can occur:

Carbon oxides

Hazardous organic compounds

Polymerization is exothermic and can degenerate into an uncontrolled reaction.

## 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. For personal protection see section 8.

### Environmental precautions

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

### Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible absorbent material and place into suitable properly labeled containers for prompt disposal.

### Reference to other sections

For disposal see section 13.

## Section 7: Handling and Storage

### Precautions for safe handling

Avoid contact with skin eyes and clothing. Wash thoroughly after handling. Emptied container retains vapor and product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

### Conditions for safe storage, including any incompatibilities

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

Light sensitive.

Storage class (TRGS 510): Combustible 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 triacrylate	15625-89-5	TWA	1mg/m3	USA. Workplace Environmental Exposure Levels (WEEL)
	Remarks:	Can be absorbed through the skin.		

### 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. 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 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

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	Acrylic 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	No data available
g)	Flash point	>201° C (94° F)- Pensky-Martens 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	Negligible
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

May polymerize on exposure to light.

### Incompatible materials

Strong oxidizing agents. Strong reducing agents, Free radical initiators, Inert gas, Oxygen scavenger, Peroxides

### Hazardous decomposition products

Thermal decomposition giving flammable and toxic products:

Carbon dioxides

Acrylates

Hazardous organic compounds

**Information on toxicological effects****Acute toxicity**

LD50 Oral – Rat > 5,000 mg/Kg

LC50 Inhalation – Rat – male and female – 6 h > 0.55 mg/l

LD50 Dermal – Rabbit – 5,170 mg/Kg

LD50 Intraperitoneal – Rat – 55mg/Kg

Remarks: Behavioral: Altered sleep time (including change in righting reflex). Behavioral: convulsions or effect on seizure threshold. Behavioral: Ataxia.

**Skin corrosion/irritation**

Skin – Rabbit

Result: Irritating to skin – 24h

**Serious eye damage/eye irritation**

Eyes – Rabbit

Result: irritating to eyes

**Respiratory or skin sensitization**

Maximisation Test (GPMT) – Guinea pig

Result: May cause sensitization by skin contact.

**Germ cell mutagenicity**

Ames test

S. typhimurium

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 – No observed adverse effect level  $\geq$  200 mg/Kg

RTECS: AT4810000

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

Stomach – Irregularities – Based on Human Evidence (Mequinol)

## Section 12: Ecological Information

### Toxicity

Toxicity to fish

static test LC50 – Leucisus idus (Golden orfe) – 1.47 mg/l – 96h (DIN 38412)

Toxicity to daphnia and other aquatic invertebrates

static test LC50 – Daphnia magna (Water flea) – 19.9 mg/l – 48h

Toxicity to algae

static test EC50 – Desmodesmus subspicatus (Scenedesmus subspicatus) – 4.86 mg/l – 96h

### Persistence and degradability

Biodegradability

aerobic – Exposure time 28 d  
Result: 82 – 90% - 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

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 to dispose 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**

Trimethylolpropane triacrylate

CAS-No.  
15625-89-5

**New Jersey Right To Know Components**

Trimethylolpropane triacrylate

CAS-No.  
15625-89-5

**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: 2  
Flammability: 1  
Reactivity: 0

**NFPA Rating**

Health: 2  
Flammability: 1  
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.