

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

**Product Name:** Isodecyl methacrylate                                    **Molecular Formula:** C<sub>14</sub>H<sub>26</sub>O<sub>2</sub>  
**Catalog Number(s):** M-132  
**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)**  
Chronic Aquatic Toxicity, Category 1, H410

**GHS Label elements, including precautionary statements**

Pictogram



Signal word                                Warning

Hazard statement(s)  
H410                                Very 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 (%)
Isodecyl methacrylate	29964-84-9	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.

#### In case of skin contact

Wash off with soap and plenty of water. Remove contaminated clothing and shoes; wash thoroughly before reuse

#### In case of eye contact

Immediately flush eyes with water

#### If swallowed

DO NOT induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person

#### 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

Thermal decomposition giving flammable and toxic products:

Carbon oxides

Methacrylates

Hazardous organic compounds

#### Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### Further information

Do not allow run off from firefighting to enter drains or water courses

## 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. An air space is required above the liquid in all containers; avoid storage under an oxygen free atmosphere

Product is sensitive to light and moisture.

**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**

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**

Ensure proper ventilation when working with product. 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. 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	Acrylic like
c)	Odor Threshold	No data available
d)	pH	~ 7
e)	Melting point/freezing point	No data available
f)	Initial boiling point and boiling range	No data available
g)	Flash point	>201°F (94° C) (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**

Hazardous polymerization may occur. Polymerization is exothermic and can degenerate into an uncontrolled reaction

**Conditions to avoid**

This material polymerizes exothermically in the presence of heat, contamination, oxygen free atmosphere, free radicals, peroxides and inhibitor depletion liberating heat. Avoid direct sunlight. Do NOT expose to ultraviolet light

**Incompatible materials**

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

**Hazardous decomposition products**

Thermal decomposition giving flammable and toxic products:

Carbon oxides

Methacrylates

Hazardous organic compounds

In the event of fire: see section 5

**Section 11: Toxicological Information**

**Information on toxicological effects**

**Acute toxicity**

Oral: Practically nontoxic (Rat) LD50 > 5,000mg/kg

Inhalation: No deaths occurred (Rat) 1 h LC0 > 0.9 mg/l

Dermal: May be harmful in contact with the skin. (Rat) LD50 > 3,000mg/kg

**Skin corrosion/irritation**

Skin (Rabbit) Irritation Index: 2, 7/8, 0. (72 h)

Result-Causes skin irritation

**Serious eye damage/eye irritation**

Eyes (Rabbit) Irritation Index: 0/110. (72 h)

Result-Not irritating

**Respiratory or skin sensitization**

LLNA: Local Lymph Node Assay. (Mouse) No skin allergy was observed

Result-Not a sensitizer

### **Germ cell mutagenicity**

Assessment in Vitro

No genetic changes were observed in laboratory test using: animal cells, bacteria, human cells

### **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.

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

## **Section 12: Ecological Information**

### **Chemical Fate and Pathway**

Data on this material and/or a similar material are summarized below.

### **Biodegradation**

Inherently biodegradable. (28 d) biodegradation 88%

Readily biodegradable. (28 d) biodegradation 62%

### **Octanol Water Partition Coefficient**

log Pow = 5.62

### **Ecotoxicology**

Data on this material and/or its components are summarized below.

### **Aquatic Toxicity Data**

Practically non-toxic. *Leuciscus idis* (Golden orfe) 48 h LC50 = 470 mg/l

### **Algae**

No effect up to the limit of solubility. *Desmodesmus subspicatus* (green algae) 72 h ErC40 >0.0169 mg/l

### **Microorganisms**

Respiration inhibition/Activated sludge 5 h EC0 >500 mg/l

### **Chronic Toxicity to Aquatic Invertebrates**

*Daphnia magna* (Water flea) 21 d NOEC = 0.0542 mg/l

### **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. 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

UN number: 3082                      Class: 9                      Packing group: III  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Isodecyl methacrylate)  
Marine pollutant: yes

### IATA

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

## 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

Reactivity Hazard

### Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

### Pennsylvania Right To Know Components

Isodecyl methacrylate	CAS-No. 29964-84-9
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### New Jersey Right To Know Components

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### California Prop. 65 Components

Warning: This product contains a chemical known to State of California to cause birth defects or 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.