Scientific Polymer Products, Inc.

www.scipoly.com

SAFETY DATA SHEET

Revision Date: 08/08/24

Section 1: Identification

PRODUCT AND COMPANY INFORMATION

Product Name: Isodecyl methacrylate **Molecular Formula:** $C_{14}H_{26}O_2$

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

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

	CAS-No.
Isodecyl methacrylate	29964-84-9

New Jersey Right to Know Components

	CAS-No.
Isodecyl methacrylate	29964-84-9

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		**NFPA Rating**	
Health:	0	Health:	0
Flammability:	0	Flammability:	0
Reactivity:	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.