Scientific Polymer Products, Inc.

www.scipoly.com

SAFETY DATA SHEET

Revision Date: 08/08/24

Section 1: Identification

PRODUCT AND COMPANY INFORMATION

Product Name: Tetrahydrofurfuryl methacrylate **Molecular Formula:** $C_9H_{14}O_3$

Catalog Number(s): M-130

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)
Flammable liquids, Category 4, H227
Acute aquatic toxicity, Category 3, H402
Chronic aquatic toxicity, Category 3, H412

GHS Label elements, including precautionary statements

Pictogram(s)

Signal Word: Warning

Hazard Statement(s)
H227 Combustible liquid.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statement(s)
P210 Keep away from heat/sparks/ open flames/ hot surfaces. No smoking.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P370+P378 In case of fire: Use dry sand, dry chemical or alcohol resistant foam to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container to an approved waste disposal plant.

Hazards Not Otherwise Classified (HNOC) or Not Covered by GHS: May cause polymerization

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 (%)
Tetrahydrofurfuryl methacrylate	2455-24-5	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
Flush eyes with water as a precaution.

Ingestion
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 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
Carbon oxides

Advice for Fire-Fighting
Wear self-contained breathing apparatus for fire-fighting if necessary.

Further Information
Use water spray to cool unopened containers

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures
Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. 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
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Precautions for Safe Handling
Avoid inhalation of vapor or mist. Keep away from sources of ignition-No smoking. Take measures to prevent the buildup of electrostatic charge. For precautions see section 2

Conditions for Safe Storage, Including any Incompatibilities
Keep container tightly closed in a dry and well-ventilated place.

Light sensitive. Heat sensitive

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
Safety glasses with side shields conforming to EN166. 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. 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
Where risk assessment shows air-purifying respirators are appropriate use a 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
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	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	No data available
g)	Flash point	91° C (196° 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	Virtually insoluble
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
Heat, flames and sparks

Incompatible Materials
Free radical initiators, Oxidizing agents, Reducing agents

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
No data available

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
Toxicity to fish LC50- Pimephales promelas (Fathead minnow) – 34.7 mg/l – 96 h

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
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life

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)
UN number: 1993 Class: NONE Packing group: III
Proper shipping name: Combustible liquid, n.o.s. (Tetrahydrofurfuryl methacrylate)
Poison Inhalation Hazard: No

IMDG
Not dangerous goods

IATA
Not dangerous goods

Section 15: Regulatory Information

SARA 302 Components
The following components are subject to reporting levels established by SARA Title III, Section 302:

	CAS No.
Hydroquinone	123-31-9

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.

Massachusetts Right-to-Know Components

	CAS No.
Hydroquinone	123-31-9

Pennsylvania Right-to-Know Components

	CAS-No.
Tetrahydrofurfuryl methacrylate	2455-24-5

New Jersey Right-to-Know Components

	CAS-No.
Tetrahydrofurfuryl methacrylate	2455-24-5

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		**NFPA Rating**	
Health hazard:	0	Health hazard:	0
Flammability:	2	Flammability:	2
Physical Hazard:	0	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.