SAFETY DATA SHEET

Revision Date: 08/08/24

Section 1: Identification

PRODUCT AND COMPANY INFORMATION

Product Name: Ethoxylated (6) bisphenol A dimethacrylate

Catalog Number(s): M-259 **Molecular Formula:** $(C_2H_4O)_3(C_2H_4O)_3C_{23}H_{24}O_4$

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)
Irritant to eyes, skin, mucous membranes and respiratory system. May be harmful by ingestion, inhalation or skin absorption.

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.
H335	May cause respiratory irritation.

Precautionary statement(s)

P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/ eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
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.
P403+P233	Store in a well ventilated place. Keep container tightly closed.

P405 Store locked up.
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 (%)
Ethoxylated (6) bisphenol A dimethacrylate	41637-38-1	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. If not breathing, give artificial respiration. Consult a physician if breathing becomes difficult.

In case of skin contact
Wash off with soap and plenty of water. If irritation persists, consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes. Separate eyelids with fingers. Consult a physician.

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
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

Environmental precautions
Do not let product enter drains.

Methods and materials for containment and cleaning up
Soak up with inert absorbent material and dispose of as hazardous waste. 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
Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. 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.
Storage temperature: 2 – 8° C (35 – 46° F). Do not store below 0° C (32° F).
Heat, light and moisture sensitive.

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
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. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
For nuisance exposures use type P95(US) or type P1(EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 or type ABEK-P2 (EU EN 143) 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

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

a)	Appearance	Form: Liquid
b)	Odor	Musty
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	No data available
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	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
Hazardous polymerization may occur. Polymerization is exothermic and can degenerate into an uncontrolled reaction.

Conditions to avoid
Elevated temperatures. Direct heating, dirt, chemical contamination, sunlight, UV or ionizing radiation. Avoid direct sunlight; may polymerize on exposure to light.

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

Hazardous decomposition products
Other decomposition products- Carbon oxides
In the event of fire: see section 5

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity

Oral: Practically nontoxic. Rat-LD0 35,000 mg/kg (No mortality)

Dermal: May be harmful if in contact with skin. Rat-LD0 2,000 mg/kg (No mortality)

Skin corrosion/irritation
Practically non-irritating. Rabbit-Irritation Index- 0.5 / 8 (4 h)

Serious eye damage/eye irritation
Not irritating. Rabbit-Irritation Index- 0 110

Respiratory or skin sensitization
Not a sensitizer. Guinea pig maximization test. Guinea pig-No skin allergy observed

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.

Genotoxicity

Assessment in Vitro
No genetic changes were observed in laboratory tests using: animal cells, bacteria, human cells

Developmental toxicity
Oral (Rat)/ No birth defects were observed

Reproductive effects
Oral (Rat)/ No toxic effects for reproduction

Specific target organ toxicity- single exposure (GHS)
No data available

Specific target organ toxicity- repeated exposure (GHS)
Repeated oral administration to Rat/ No adverse effects reported

Aspiration hazard
No data available

Additional Information
The information presented is from representative materials with this Chemical Abstract Service (CAS) Registry number. The results vary depending on the size and composition of the test substance. Effects due to processing releases or residual monomer:
Possible cross sensitization with other acrylates and methacrylates

RTECS: Not available

Human experience

Skin contact
Allergic reactions. Sensitization described in isolated cases. Possible cross sensitization with other acrylates and methacrylates.

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

Section 12: Ecological Information

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

Aquatic toxicity data
Practically nontoxic. Danio rerio (zebra fish) 96 h LL50 > 100 mg/l

Aquatic invertebrates
Practically nontoxic. Daphnia magna (water flea) 72 h EL50 > 100 mg/l (Water accommodated fraction was tested.)
Practically nontoxic. Daphnia magna (water flea) 48 h EL50 > 100 mg/l

Algae
Practically nontoxic. Pseudokirchneriella subcapitata (green algae) 72 h EL50 (Growth inhibition) > 100 mg/l

Chemical Fate and Pathway

Biodegradation
Not readily biodegradable. (28 d) 24%
Not readily biodegradable. (63 d) 54%

Octanol Water Partition Coefficient
log Pow > 6.2

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
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.
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New Jersey Right to Know Components

	CAS-No.
Ethoxylated (6) bisphenol A dimethacrylate	41637-38-1

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		**NFPA Rating**	
Health:	2	Health:	2
Flammability:	1	Flammability:	1
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.