



Section 1: Identification

PRODUCT AND COMPANY INFORMATION

Product Name: Ethoxylated (2) bisphenol A diacrylate
Catalog Number(s): M-193 **Molecular Formula:** $(C_2H_4O)_n(C_2H_4O)_nC_{21}H_{20}O_4$
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)
Chronic Aquatic Toxicity, Category 2, H411

GHS Label elements, including precautionary statements

Pictogram



Signal word Warning

Hazard statement(s)
H411 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 (%)
Ethoxylated (2) bisphenol A diacrylate	64401-02-1	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.

If inhaled

If breathed in, move person into fresh air.

In case of skin contact

In case of contact, immediately flush skin with 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

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.

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. Avoid generation of vapors.

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 and collect spillage with non-combustible absorbent material such as clean sand, earth, diatomaceous earth or non-acidic clay 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

For precautions see section 2

Conditions for safe storage, including any incompatibilities

Store out of direct sunlight in a cool 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

Storage Stability-Remarks:

Inhibitor levels should be maintained. The typical shelf life for this product is 6 months.

Temperature tolerance- Do not store below: 32° F (0° C)

Temperature tolerance- Do not store above: 100° F (38° C)

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

Acrylates

Hazardous organic compounds

In the event of fire: see section 5

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity

Oral: No deaths occurred (Rat) LD0 > 2.000mg/kg

Dermal: No deaths occurred. (Rat) LD0 > 2.000mg/kg

Skin corrosion/irritation

Not irritating. (Rabbit) Irritation Index: 0.0/8.0 (4 h)

Serious eye damage/eye irritation

Not irritating. (Rabbit)

Respiratory or skin sensitization

Not a sensitizer. LLNA: Local Lymph Node Assay. (Mouse) No skin allergy was observed

Repeated dose toxicity

Repeated exposure oral administration to rat/ affected organ(s): liver, kidney / No specific toxic effects

Genotoxicity**Assessment in Vitro:**

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

Reproductive effects

Reproduction test. Oral(Rat)/ No toxicity to reproduction

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

Not readily biodegradable. (28 d) Water 21%

Octanol Water Partition Coefficient

log Pow = 0.46

Ecotoxicology

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

Aquatic Toxicity Data

Practically non-toxic. Oncorhynchus mykiss (rainbow trout) 96 h LL50 = 100 mg/l

Aquatic invertebrates:

Toxic. Daphnia magna (Water flea) 48 h EL50 = 6 mg/l

Algae

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

Microorganisms

Respiration inhibition/Activated sludge 672 h NOEC + 14.3 mg/l

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)

UN number: 3082 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substance, liquid, N.O.S. (Ethoxylated (2) bisphenol A diacrylate)
Marine pollutant: yes

IMDG

UN number: 3082 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substance, liquid, N.O.S. (Ethoxylated (2) bisphenol A diacrylate)
Marine pollutant: yes

IATA

UN number: 3082 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substance, liquid, N.O.S. (Ethoxylated (2) bisphenol A diacrylate)

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

Ethoxylated (2) bisphenol A diacrylate	CAS-No. 64401-02-1
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New Jersey Right to Know Components

Ethoxylated (2) bisphenol A diacrylate	CAS-No. 64401-02-1
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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:	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.