

**SAFETY DATA SHEET**

Revision Date: 03/17/20

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

Product Name: Polyethyleneimine, epichlorohydrin modified

Catalog Number(s): 634 **Molecular Formula:** Unspecified

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**

Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

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 (%)
Polyethyleneimine, epichlorohydrin modified	68130-99-4	100

Section 4: First Aid Measures**Description of first aid measures****General advice**

Remove contaminated clothing

If inhaled

If breathed in, keep victim calm and move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth and drink plenty of water.

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 or dry chemical.

Special hazards arising from the substance or mixture

Carbon oxides

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

Contaminated extinguishing water must be disposed of in accordance with official regulations

Section 6: Accidental Release Measures**Further accidental release measures**

High risk of slipping due to leakage/spillage of product

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

For personal protection see section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let products enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

For small amounts, pick up with absorbent material (sand, sawdust, general-purpose binder). For large amounts, pump off product. Spills should be contained, solidified and placed in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

Section 7: Handling and Storage**Precautions for safe handling**

No special measures necessary provided product is used correctly. For precautions see section 2.2

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well ventilated place. Keep at temperature not exceeding 30° 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. Provide local exhaust ventilation to control vapors/mists. Wash hands before breaks and at the end of workday.

Personal protective equipment**Eye/face protection**

Safety glasses with side shields. 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

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection in case of vapor/aerosol release. Particle filter with medium efficiency for solid and liquid particles. (EN 143 or 149, Type P2 or FFP2)

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	Mild, amine-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	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	Soluble
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 hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: No corrosive effect on metal

Oxidizing properties Not fire propagating

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

The product is chemically stable

Conditions to avoid

No data available

Incompatible materials

Mercaptans, metal, oxidizing agents, reducing agents, strong acids, bases

Hazardous decomposition products

Carbon oxides, nitrogen oxides

Other decomposition products - No data available

In the event of fire: see section 5

Section 11: Toxicological Information**Information on toxicological effects****Acute toxicity**

Assessment of acute toxicity: Of low toxicity after single ingestion.

LD50 Oral-rat->2,000- <5,000 mg/kg (OECD Guideline 423)

Skin corrosion/irritation

Assessment of irritating effects: Not irritating to skin or eyes

Serious eye damage/eye irritation

Species: Rabbit

Result: Non-irritant

Method: OECD Guideline 405

Respiratory or skin sensitization

Species: Rabbit

Result: Non-irritant

Method: OECD Guideline 404

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 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.

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

Section 12: Ecological Information**Toxicity**

Toxicity to fish

No data available

Toxicity to daphnia and
other aquatic invertebrates

EC50-Daphnia magna ->100 mg/l- 48 h (OECD Guideline 202, part 1, static
Nominal concentration. Limit concentration test only (LIMIT test)

Persistence and degradability

Not readily biodegradable (by OECD criteria)

Elimination information:

10-20% DOC reduction (28 d) (OECD 301 A-new version) (aerobic, activated
sludge, domestic)

Bioaccumulative potential

Significant accumulation in organisms is not to be expected

Mobility in soil**Assessment transport between environmental compartments**

The substance will not evaporate into the atmosphere from the water surface. Absorption to solid soil phase is possible.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No data available

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)**

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

No SARA Hazards

Massachusetts Right To Know Components

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

Pennsylvania Right To Know Components

Polyethyleneimine, epichlorohydrin modified	CAS-No. 68130-99-4
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New Jersey Right To Know Components

Polyethyleneimine, epichlorohydrin modified	CAS-No. 68130-99-4
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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

Health:	1
Flammability:	1
Reactivity:	0

NFPA Rating

Health:	1
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.