# SAFETY DATA SHEET

Revision Date: 08/08/24

## Section 1: Identification

**PRODUCT AND COMPANY INFORMATION**

**Product Name:** Diethylaminoethyl acrylate **Molecular Formula:** $C_9H_{17}N\ O_2$

**Catalog Number(s):** M-225

**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)**
Flammable liquids, Category 4, H227
Acute toxicity, Oral, Category 4, H302
Acute toxicity, Dermal, Category 2, H310
Skin corrosion, Category 1B, H314
Serious eye damage, Category 1, H318
Skin sensitization, Category 1, H317

**GHS Label elements, including precautionary statements**

Pictogram 

Signal word Danger

Hazard statement(s)

| | |
|---|---|
| H227 | Combustible liquid. |
| H302 | Harmful if swallowed. |
| H310 | Fatal in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |

Precautionary statement(s)

| | |
|---|---|
| P210 | Keep away from heat/sparks/open flames/hot surfaces. –No smoking. |
| P261 | Avoid breathing dust/fume/gas/mist/vapors/spray. |
| P262 | Do not get in eyes, on skin, or on clothing. |
| P264 | Wash skin thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+P312 | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. |
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. |

| | |
|---|---|
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| 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. |
| P310 | Immediately call a POISON CENTER or doctor/physician. |
| P333+P313 | If skin irritation or rash occurs, get medical advice/attention. |
| P361 | Remove/ Take off immediately all contaminated clothing. |
| P363 | Wash contaminated before reuse. |
| P370+P378 | In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| 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 (%) |
|---|---|---|
| Diethylaminoethyl acrylate | 2426-54-2 | 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.

**In case of skin contact**
Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

**In case of eye contact**
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

**If swallowed**
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 in section 11

**Indication of any immediate medical attention and special treatment needed**
No data available

## Section 5: Fire-Fighting Measures

**Suitable extinguishing media**
For small (incipient) fires, use media such as alcohol-resistant foam, dry chemical or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

**Special hazards arising from the substance or mixture**
Carbon oxides, Nitrogen oxides (NOx)

**Advice for firefighters**
Wear self-contained breathing apparatus for firefighting if necessary.

**Further information**
Use water spray to cool unopened containers.

## Section 6: Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**
Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. 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.

**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.

**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. Keep away from sources of ignition- No smoking. Take measures to prevent 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. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Moisture sensitive

**Specific end use(s)**
Laboratory chemicals, Manufacture of substances

## Section 8: Exposure Controls/Personal Protection

**Exposure controls**

**Appropriate engineering controls**
Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

**Personal protective equipment**

**Eye/face protection**
Tightly fitting safety goggles. Face shield (8-inch minimum). 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**
Complete suit protecting against chemicals. 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 of 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 | No data available |
| 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 | 199° C (390° F) |
| g) | Flash point | 73.9° C/ 165˚F (Closed cup) |
| h) | Evaporation rate | No data available |
| i) | Flammability (solid, gas) | No data available |
| j) | Flammability or explosive limits | |
| | Upper | No data available |
| | Lower | No data available |
| k) | Vapor pressure | No data available |
| l) | Vapor density | No data available |
| m) | Relative density | No data available |
| n) | Water solubility | No data available |
| 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**
Rust. Avoid moisture. Heat, flames, and sparks

**Incompatible materials**
Strong oxidizing agents, Heavy metal salts, Water, Catalysts, Carbon dioxide (CO2)

**Hazardous decomposition products**
Other decomposition products- No data available
In the event of fire: see section 5

## Section 11: Toxicological Information

**Acute toxicity**
LD50 Oral- Rat- 770 mg/kg

Inhalation-No data available

LD50 Dermal – Rabbit - 185 mg/kg

**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 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: AS8225000

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin. Spasm, inflammation and edema of the larynx. Spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation. Cough, wheezing, laryngitis, shortness of breath, headache, nausea.

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

## Section 12: Ecological Information

**Toxicity**
No data available

**Persistence & Degradability**
No data available

**Bioaccumulative 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. Contact a licensed professional waste disposal service for disposal of this material.

**Contaminated packaging**
Dispose of as unused product.

## Section 14: Transport Information

**DOT (US)**
UN number: 2927 Class: 6.1 (8) Packing group: II
Proper shipping name: Toxic liquids, corrosive, organic, n.o.s. (Diethylaminoethyl acrylate)
Marine pollutant: No
Poison Inhalation Hazard: No

**IMDG**
UN number: 2927 Class: 6.1 (8) Packing group: II
Proper shipping name: Toxic liquids, corrosive, organic, n.o.s. (Diethylaminoethyl acrylate)
Marine pollutant: No

**IATA**
UN number: 2927 Class: 6.1 (8) Packing group: II
Proper shipping name: Toxic liquids, corrosive, organic, n.o.s. (Diethylaminoethyl acrylate)

## 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**
Fire Hazard, Acute Health Hazard

**Massachusetts Right to Know Components**

| | CAS No. |
|---|---|
| Diethylaminoethyl acrylate | 2426-54-2 |

**Pennsylvania Right to Know Components**

| | CAS No. |
|---|---|
| Diethylaminoethyl acrylate | 2426-54-2 |

**New Jersey Right to Know Components**

| | CAS No. |
|---|---|
| Diethylaminoethyl acrylate | 2426-54-2 |

**California Prop. 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: | 3 | Health: | 3 |
| Flammability: | 2 | Flammability: | 2 |
| 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.