

SECTION 1: Identification

1.1. Identification

Product form : Substance
 Trade name : REILLEX™ 402
 CAS-No. : 9017-40-7
 Formula : (C10H10.C7H7N)x
 Synonyms : Diethenylbenzene, polymer with 4-ethenylpyridine

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Processing aid
 Ion exchange agent

1.3. Supplier

Vertellus LLC
 201 North Illinois Street, Suite 1800
 Indianapolis, Indiana 46204, USA
 T: +1-317-247-8141
 SDS@Vertellus.com

1.4. Emergency telephone number

Emergency number : Vertellus: +1-800-223-0453
 CHEMTREC (USA): +1-800-424-9300
 CHEMTREC (International): +1-703-527-3887
 US National Poison Help: +1-800-222-1222

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labelling

No labelling applicable

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : May cause slight irritation to the skin. May cause slight irritation to eyes.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : Polymer

Name	Product identifier	%	GHS US classification
Pyridine, 4-ethenyl-, polymer with diethenylbenzene (Main constituent)	(CAS-No.) 9017-40-7	100	Not classified

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : First aider: Pay attention to self-protection! Avoid all unnecessary exposure. Wear gloves.
 First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.
 First-aid measures after skin contact : Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

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| First-aid measures after eye contact | : Immediately rinse with water for a prolonged period while holding the eyelids wide open. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Rinse mouth out with water. Do NOT induce vomiting. Get medical advice/attention. |

4.2. Most important symptoms and effects (acute and delayed)

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| Symptoms/effects | : May cause slight temporary irritation. |
| Chronic symptoms | : No chronic health hazards are likely for this material. |

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

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| Suitable extinguishing media | : Water spray. Foam. Carbon dioxide (CO ₂). Dry chemical. |
| Unsuitable extinguishing media | : Do not use a water jet since it may cause the fire to spread. |

5.2. Specific hazards arising from the chemical

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| Fire hazard | : Not flammable. |
| Explosion hazard | : Product is not explosive. |
| Hazardous decomposition products in case of fire | : Carbon monoxide. Nitrogen oxides. Cyanides. |

5.3. Special protective equipment and precautions for fire-fighters

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| Firefighting instructions | : Fight fire with normal precautions from a reasonable distance. |
| Protection during firefighting | : Wear recommended personal protective equipment. Complete protective clothing. Self-contained breathing apparatus. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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| General measures | : Ventilate spillage area. Mark out the contaminated area with signs and prevent access to unauthorized personnel. |
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6.1.1. For non-emergency personnel

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| Emergency procedures | : Do not get in eyes, on skin, or on clothing. Avoid breathing dust. Evacuate unnecessary personnel. |
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6.1.2. For emergency responders

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| Emergency procedures | : Do not attempt to take action without suitable protective equipment. |
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6.2. Environmental precautions

Do not allow product to spread into the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

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| For containment | : Dam up the solid spill. |
| Methods for cleaning up | : Collect spillage. Shovel into suitable and closed container for disposal. Wash contaminated area with large amounts of water. |
| Other information | : Collect all waste in suitable and labelled containers and dispose according to local legislation. |

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For waste disposal after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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| Precautions for safe handling | : Wear personal protective equipment. Avoid any direct contact with the product. |
| Hygiene measures | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse. |

7.2. Conditions for safe storage, including any incompatibilities

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| Storage conditions | : Store in a dry place. Store in a closed container. Store in a well-ventilated place. |
| Incompatible products | : Strong acids. Strong bases. Strong oxidizers. |
| Incompatible materials | : None known. |

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide local exhaust or general room ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Chemical resistant gloves (according to European standard EN 374 or equivalent). Neoprene protective gloves. Nitrile rubber gloves. Protective gloves made of PVC

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Long sleeved protective clothing. Chemical resistant safety shoes

Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: White spherical beads.
Colour	: White to off-white
Odour	: odourless
Odour threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 148 °C (Open cup)
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.35 g/ml dry
Solubility	: insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: No.

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

10.4. Conditions to avoid

Overheating. Open flame.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

10.6. Hazardous decomposition products

Nitrogen oxides. Carbon monoxide. Cyanides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Based on available data, the classification criteria are not met
Acute toxicity (dermal)	: Based on available data, the classification criteria are not met
Acute toxicity (inhalation)	: Not classified

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LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	:
Viscosity, kinematic	: No data available
Symptoms/effects	: May cause slight temporary irritation.
Chronic symptoms	: No chronic health hazards are likely for this material.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

REILLEX™ 402 (9017-40-7)	
Persistence and degradability	Not readily biodegradable.

12.3. Bioaccumulative potential

REILLEX™ 402 (9017-40-7)	
Bioaccumulative potential	Bioaccumulation is not expected to occur.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Disposal methods

- Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.
- Sewage disposal recommendations : Do not dispose of waste into sewer.
- Product/Packaging disposal recommendations : hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

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Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag

XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

CANADA

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Listed on the Canadian DSL (Domestic Substances List) inventory.

National regulations

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Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

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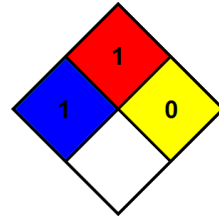
- Revision date : 10/01/2020
- Other information : ™ Trademark owned by or licensed to the Vertellus group of companies, registered in the United States or elsewhere.

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- NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.
- NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.
- NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and not reactive with water.



Hazard Rating

- Health : 0 Minimal Hazard - No significant risk to health
- Flammability : 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
- Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Indication of changes:

All chapters have been modified since the previous version (new software).

SDS US (GHS HazCom 2012)

Important Note: Please note that the information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. The information contained herein may change without prior notice. THIS SAFETY DATA SHEET SUPERSEDES ALL PREVIOUS EDITIONS.