

**SAFETY DATA SHEET**

Revision Date: 02/23/23

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

**Product Name:** Poly(vinyl alcohol), hydrolyzed **Molecular Formula:**  $(C_4H_6O_2 \bullet C_2H_4O)_x$

**Catalog Number(s):** 322, 333, 334, 335, 336, 351

**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 1910.1200 (OSHA HCS)**  
Combustible dust

**GHS Label elements, including precautionary statements**

Pictogram	None needed according to classification criteria
Signal word	Warning
Hazard statement(s)	May form combustible dust concentrations in air
Precautionary statement(s)	None

**Hazards not otherwise classified (HNOC) or not covered by GHS**  
Combustible dust

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 (%)
Poly(vinyl alcohol), hydrolyzed	25213-24-5	100

**Section 4: First Aid Measures****Description of first aid measures****If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact**

Wash off with soap and plenty of water. If skin irritation or rash occurs, seek medical advice/attention. Wash contaminated clothing before reuse.

**In case of eye contact**

Rinse cautiously with water for several minutes; remove contacts if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**If swallowed**

If a large amount is swallowed, get medical attention.

**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**

Treat symptomatically and supportively.

## Section 5: Fire-Fighting Measures

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, regular dry chemical or carbon dioxide.

**Unsuitable extinguishing media**

Do not scatter spilled material with high pressured water streams

**Special hazards arising from the substance or mixture**

Combustible Dust. Dust/air mixtures may ignite or explode. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

**Hazardous combustion products**

Oxides of carbon

**Advice for firefighters**

Wear full protective firefighting gear including self-contained breathing apparatus for protection against possible exposure.

**Firefighting measures**

Avoid inhalation of material or combustion by-products. Move material from fire area if it can be done without risk. Use extinguishing agents appropriate for surrounding fire. Dike for later disposal. Stay upwind and keep out of low areas

## Section 6: Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Avoid contact with skin and eyes. Avoid breathing vapors, mist or gas. Keep unnecessary people away, isolate hazard area and deny entry. The mixture is slippery when wet. For personal protection see section 8.

**Environmental precautions**

Avoid generation of dust. Remove all sources of ignition. Ventilate affected area. Discharge into the environment must be avoided

**Methods and materials for containment and cleaning up**

Avoid generation of dust. Sweep up and shovel. Collect spilled material in appropriate container for disposal. Dispose of contents/container in accordance with local/regional/national/international regulations

## Section 7: Handling and Storage

### Precautions for safe handling

Use methods to minimize dust. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. Keep container tightly closed. Wash thoroughly after handling. Avoid breathing dust. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. For precautions see section 2.

### Conditions for safe storage, including any incompatibilities

Store in a closed container in a dry and cool area. Keep away from heat and sources of ignition. Keep away from food, drink, and animal feeding stuffs. Keep container tightly closed in a dry and well ventilated place.

### Incompatible Materials

Reactive metals, oxidizing agents, peroxides, perchlorates, nitrates

### 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

General industrial hygiene practice.

### 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

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 is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Control of environmental exposure

No special environmental precautions required.

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

a)	Appearance	Form: Granular or powder
b)	Odor	Odorless
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)	May form combustible dust concentrations in the air
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 in hot water
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 hazard expected.

#### **Chemical stability**

Stable under recommended storage conditions.

#### **Possibility of hazardous reactions**

Hazardous polymerization will not occur

#### **Conditions to avoid**

Avoid generating dust.

#### **Incompatible materials**

Reactive metals, oxidizing agents, peroxides, perchlorates, nitrates.

#### **Hazardous decomposition products**

Oxides of carbon.

In the event of fire: see section 5

### **Section 11: Toxicological Information**

#### **Information on toxicological effects**

##### **Acute toxicity**

LD50 Rat >5,000 mg/kg

LC50 Rat >24mg/L 1 hour

Oral LD50 Rat 6200mg/kg

Inhalation LC50 Rat 22500ppm 8hr

##### **Immediate effects**

No information on significant adverse effects

##### **Delayed effects**

No information on significant adverse effects

##### **Irritation/corrosivity data**

May cause mechanical irritation

##### **Dermal sensitization**

No data available

**Respiratory sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

IARC: Supplement 7 [1987]; Monograph 19 [1979] (Group 3 (not classifiable))

**Reproductive toxicity**

No hazard expected

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Medical conditions aggravated by exposure**

No data available

**Section 12: Ecological Information****Toxicity**

No data available

**Persistence and 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**

No data available

**Section 13: Disposal Considerations****Waste treatment methods****Product**

Dispose of contents/container in accordance with local/regional/national/international regulations. Product is not EPA hazardous waste

**Contaminated packaging**

Dispose of as unused product.

**Section 14: Transport Information****DOT (US)**

Not dangerous goods

**IMDG**

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

Poly(vinyl alcohol), hydrolyzed	CAS-No. 25213-24-5
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### New Jersey Right To Know Components

Poly(vinyl alcohol), hydrolyzed	CAS-No. 25213-24-5
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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:	0
Flammability:	0
Reactivity:	0

### NFPA Rating

Health:	0
Flammability:	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.