



Section 1: Identification

PRODUCT AND COMPANY INFORMATION

Product Name: Poly(vinyl alcohol), homopolymer **Molecular Formula:** (C₂H₄O)_x
Catalog Number(s): 002, 352, 361, 362, 363
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), homopolymer	9002-89-5	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

Serious eye damage/eye irritation

No data available

Respiratory sensitization

No data available

Germ cell mutagenicity

Ames test found to be negative. No hazard expected.

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

Section 12: Ecological Information**Toxicity**

No data available

Persistence and degradability

No data available

Bioaccumulative potential

Low

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

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

Poly(vinyl alcohol), homopolymer	CAS-No. 9002-89-5
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New Jersey Right To Know Components

Poly(vinyl alcohol), homopolymer	CAS-No. 9002-89-5
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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.