

SAFETY DATA SHEET

POLY VINYL ALCOHOL (PVA)

CAS No.: 9002-89-5

This Safety Data Sheet is compiled from well-established published chemical, GHS classification and regulatory reference sources for this substance. It is supplied by Suraj Chemicals as the distributor/supplier of record and is not a manufacturer-issued document. Users should also consult the specific manufacturer's SDS where available.

1. IDENTIFICATION

Product Name	Poly Vinyl Alcohol (PVA)
CAS Number	9002-89-5
Recommended Use	Industrial / commercial chemical trading and distribution
Supplier	Suraj Chemicals, No 92, Govindappa Naicken Street, Shiva Complex, Chennai - 600001, India
Emergency Telephone	+91 - 9840284032, 9176135357 / +91 - 44 - 25393652

2. HAZARD(S) IDENTIFICATION

GHS Signal Word Not classified

HAZARD CLASSIFICATION

None assigned

HAZARD STATEMENTS

None assigned

PRECAUTIONARY STATEMENTS

None assigned

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Poly Vinyl Alcohol (PVA)
CAS Number	9002-89-5
Physical State	Solid
Appearance / Odour	White to cream-colored, odorless granules, flakes or powder.

4. FIRST-AID MEASURES

Eye Contact	Rinse with water for several minutes if dust causes irritation; seek medical attention if irritation persists.
Skin Contact	Wash off with water; not expected to cause more than transient irritation.
Inhalation	Remove to fresh air; if dust inhalation causes coughing or discomfort, seek medical attention.
Ingestion	Rinse mouth with water; this polymer is of low toxicity but seek medical advice if large amounts are ingested or discomfort occurs.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water spray, dry chemical, CO ₂ , or foam.
Unsuitable Extinguishing Media	Avoid high-pressure air/water streams that could disperse settled dust into an explosible cloud.
Special Hazards	Finely dispersed PVA dust in air can form a combustible dust cloud in the presence of an ignition source; avoid dust accumulation and control ignition sources; combustion produces carbon monoxide and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Measures	Sweep or vacuum up using dust-tight equipment avoiding generation of airborne dust, eliminate ignition sources, and place in a closed container; spilled material can be slippery when wet.
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7. HANDLING AND STORAGE

Handling Precautions	Minimize dust generation and accumulation, use grounded/bonded equipment and non-sparking tools where dust may form, and provide adequate housekeeping and ventilation to control combustible dust.
Storage Conditions	Store in a cool, dry, well-ventilated area away from moisture (hygroscopic) and ignition sources; keep containers closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits / PPE	No specific occupational exposure limit established; general nuisance-dust guidance applies (~10 mg/m ³ total dust); use a dust mask and safety glasses when handling large quantities.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance / Odour	White to cream-colored, odorless granules, flakes or powder.
Boiling Point	Not applicable (polymer; decomposes before boiling)
Melting Point	~180-230 C (softening/decomposition range, grade dependent)
Flash Point	Not applicable (solid; see combustible dust note)
Density / Specific Gravity	~1.19-1.31 g/cm3 (true density); bulk density ~0.4-0.7 g/cm3
Water Solubility	Soluble in hot/warm water (dissolution rate depends on degree of hydrolysis and polymerization); cold-water solubility is grade dependent
pH Value	~5.0-7.0 (4% aqueous solution)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions; presents a combustible dust explosion hazard when finely dispersed in air; hygroscopic.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition	Carbon monoxide and carbon dioxide on combustion or thermal decomposition.

11. TOXICOLOGICAL INFORMATION

Summary	Essentially non-toxic, water-soluble synthetic polymer widely used in adhesives, textile sizing, packaging films and pharmaceuticals; dust may cause mechanical irritation of the eyes and upper respiratory tract; not classified as a carcinogen, mutagen or reproductive toxicant.
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12. ECOLOGICAL INFORMATION

Summary	Biodegradable under appropriate conditions (rate depends on degree of hydrolysis); not expected to be significantly hazardous to aquatic organisms at normal use concentrations.
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13. DISPOSAL CONSIDERATIONS

Disposal Method	Dispose of via landfill or incineration in accordance with local regulations; not typically classified as hazardous waste.
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14. TRANSPORT INFORMATION

UN Number	Not regulated for transport
Transport Hazard Class	Not regulated
Packing Group	Not applicable

15. REGULATORY INFORMATION

Notes	Widely used water-soluble synthetic polymer across textile, adhesive, packaging and pharmaceutical applications; not classified as hazardous under GHS, OSHA HCS or EU CLP; bulk storage/handling should follow applicable combustible dust safety practices (e.g., NFPA 654).
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16. OTHER INFORMATION

Prepared By	Suraj Chemicals, Technical / QA Desk
Date of Issue	29 Sep 2026
Note	This SDS is compiled from well-established published GHS hazard classification data and general chemical reference sources for this substance, in the standard 16-section format. Values are believed accurate but Suraj Chemicals makes no warranty, express or implied, regarding their completeness. Users should evaluate suitability for their own specific use.

(This document is computer generated and therefore does not require any signature.)

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