



Material Safety Data Sheet

Printing date 20.02.2013

Vers.no.: 5 Revision: 20.02.2013

1 – PRODUCT AND COMPANY IDENTIFICATION

Product identifier: PVA (WANWEI™)
Product name: Polyvinyl Alcohol
Type of product or use: Textile sizing material, bond, coating, emulsifier, soil modifying agent, etc.
Producer Name: Anhui Wanwei Updated High-Tech Material Industry Co.ltd
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2 – COMPOSITION / INFORMATION ON INGREDIENTS.

Synonyms: PVOH / PVA / PVAL
CAS Number: 9002-89-5
EG/EC Number: 618-340-9
Molecular Formula: $(\text{CH}_2\text{CHOH})_n$

3 – HAZARDS IDENTIFICATION.

Classification of the substance: Not a dangerous substance according to GHS.
This substance is not classified as dangerous according to Directive 67/548/EEC.
Label elements: The product does not need to be labeled in accordance with EC directives or respective national laws
Other hazards: none

4 – FIRST-AID MEASURES.

If inhaled: Remove subject to fresh air. Seek medical aid if lung irritation persists or if breathing becomes difficult.
In case of skin contact: Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.
In case of eye contact: Immediately flush eyes with running water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek prompt medical attention if redness or irritation occurs.
If ingestion: Do not induce vomiting. Get immediate medical help.



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5 – FIRE-FIGHTING MEASURES.

Suitable Extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture:	Carbon oxides
Precautions for fire-fighters:	Wear self contained breathing apparatus for fire fighting if necessary
Further information:	Cool endangered environment, containers/tanks with water spray jet.

6 – ACCIDENTAL RELEASE MEASURES.

Personal precautions:	Avoid inhalation and contact with eyes and skin. Wear appropriate personal protective equipment.
Environmental precautions:	Avoid discharge into drains, water courses or soil .
Methods and materials for containment and cleaning up:	Sweep up and shovel. Keep in suitable, closed containers for disposal.
other sections:	For disposal see section 13.

7 – HANDLING AND STORAGE.

Precautions for safe handling:	Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Conditions for safe storage:	Store in cool place. Keep container tightly closed in a dry and well-ventilated place (avoid moisture and high temperatures) .

8 – EXPOSURE CONTROLS/PERSONAL PROTECTION.

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).
Eye /face protection:	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Body protection:	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hand 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.
Other protection:	Work area must be well ventilated to maintain dust concentration below TLY.



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9 – PHYSICAL AND CHEMICAL PROPERTIES.

Appearance:	White to pale yellow, powder to fine granules or flake.
pH (4 % in water):	5 - 7
Solubility in water:	Soluble
Specific gravity:	1.19~1.31g/cm ³ at 20 °C
Boiling point:	Not available
Melting point:	200 - 230 °C
Density:	Approx. 1.3 g/cm ³ at 20°C
Decomposition temperature:	Approx. 160-200°C

10 – STABILITY AND REACTIVITY.

Stability:	Stable under normal conditions
Conditions to avoid:	Not known
Hazardous polymerization:	Will not occur
Incompatibility:	Strong oxidizing agents

11 – TOXICOLOGICAL INFORMATION.

Inhalation:	May be harmful if inhaled. May cause respiratory tract irritation
Dermal irritation:	May be harmful if absorbed through skin. May cause skin irritation
Eye irritation:	May cause eye irritation
Other toxicological values:	PVA is a safe and a non-toxic material when properly handled.

12 – ECOLOGICAL INFORMATION.

Eco-toxicity:	The product is not expected to be hazardous to the environment
Biodegradation:	Expected to be biodegradable in aqueous solution
Fish toxicity:	LC50 > 5000 mg/l (96 hours, Zebra fish)
Chemical oxygen demand:	Approx. 1600 mg/g



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13 – DISPOSAL CONSIDERATIONS.

Waste disposal: collect and treat by flocculation , Offer surplus and non-recyclable solutions to a licensed disposal company

Suitable disposal: Comply with local regulations.

14 – TRANSPORTATION INFORMATION.

INTERNATIONAL REGULATIONS. Product is not subjected to international RID-ADR, IMO-IMDG and OACI-IATA regulations.

15 – REGULATORY INFORMATION.

TSCA: All components of this product are on the list.

16 – OTHER INFORMATION.

Revisions: Fifth Issue

Legal disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

This safety data sheet should only be used and reproduced in order that the necessary measures may be taken relating to the protection of health and safety at work and relating to the protection of the environment. The references to the legislative, regulatory and codes of practice documents must not be considered as exhaustive.

It is the responsibility of handlers of the product to pass on the totality of the information contained within this documents to any subsequent persons who will come into contact with handle or use the product in any way.

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