

Material Safety Data Sheet Polyvinyl Acetate Emulsion

Section 1 - Product Identification

Synonyms : PVA Emulsion
Chemical Formula : $(C_4H_6O_2)_n$
Company Identification : Tradeasia International Pte. Limited
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Recommended use : General use, furniture work and wood parquet adhesive.

Section 2 – Hazards Identification

2.1 Classification

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200

2.2 Label elements

N.A.

Signal Word

N.A.

Hazard Statements

N.A.

Precautionary Statements

N.A.

Influences on health

No apparent toxicity, but direct contact with skin or eyes should be avoided; Processing area must be kept well ventilated to expel the vapor of vinyl acetate monomers.

Major symptoms

Slightly irritating to skin and respiratory system.

2.3 Other hazards

N.A.

Section 3 – Composition/Information on Ingredients

3.1 Composition comments

Chemical Name	EC No/CAS No	Purity, %
Polyvinyl Acetate Polymer	9003-20-7	38±1
Water	7732-18-5	62±1

Section 4 – First-Aid Measures

4.1. Description of first aid measures

Eye Contact

Gently wash with warm water, seek medical care when necessary.

Skin Contact

Clean by rubbing and wash with soap water, and seek medical care when necessary.

Inhalation

Move the victim to well ventilated area; Seek for medical care when necessary.

Ingestion

Rinse mouth with clear water; Stimulate to vomit; Seek for medical care.

4.2. Most important symptoms and effects, both acute and delayed

None reasonably foreseeable

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5 – Fire Fighting Measures

5.1. Suitable Extinguishing media

In case of fire extinguish with water , foam , Carbon dioxide or dry chemical fire extinguisher.

5.2. Specific hazards arising from the chemical

Not available.

5.3. Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary (eg. in enclosed spaces).

Section 6 – Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let the product enter drains. Discharge into the environment must be avoided.

6.3. Methods and material for containment and cleaning up

Stop the leak if possible without personal risk. Enclose the contaminated area with water absorbing materials, such as cotton, fiber, sands etc. and collect by scoop. Collect the spilled material in the appropriate container for disposal.

Section 7 – Handling and Storage

7.1. Precautions for safe Handling

Maintain good ventilation within the processing zone.

7.2. Conditions for safe storage, including any incompatibilities

Keep the container tightly closed. Storing temperature within 5 ~ 40 °C, keep away from any heat or ignition sources. Product should be consumed and used up within 6 months.

Section 8 – Exposure Controls/Personal Protection

8.1. Appropriate engineering controls

If airborne contaminants are generated when handling large quantities, sufficient ventilation should be provided to keep air contaminant concentration levels below acceptable criteria.

8.2. Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Put on protective gloves.

Body Protection

Just avoid direct contact with the body.

Respiratory protection

Put on an anti-VOC mask.

Control of environmental exposure

Do not let the product enter drains.

Section 9 – Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance: White viscous liquid

Odor: Mild odour

Odor threshold: Not available.

pH, 25°C: 4.8- 5.5

Boiling point, °C: 100

Freeze point, °C: 0

Flash Point: No flash point

Evaporation rate(water = 1): 1

Flammability Limits (solid, gas): Not applicable

Flammability Limits (LEL): Not applicable

Flammability Limits (UEL): Not applicable

Vapor pressure: Not available.

Vapor density: Not available.

Density (Pound per gallon): 8.7- 8.9

Specific gravity (water = 1): 1

Solubility in water: Partially soluble

Solubility (other): Not available.

Partition coefficient (n-octanol / water): Not available.

Autoignition Temperature: Not available.

Decomposition Temperature: Not available.

Non Volatile %: 32- 35

Section 10 – Stability and Reactivity

10.1. Reactivity

No hazard expected.

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

No special considerations. Hazardous polymerisation is not possible.

10.4. Conditions to avoid

Keep away from flame or heat sources.

10.5. Incompatible materials

Strong oxidants; strong acid; strong alkali.

10.6. Hazardous decomposition products

Carbon monoxide; acetaldehyde; acetone etc.

Section 11 – Toxicological Information

11.1 Health effects associated with ingredients

The Information below may not be consistent with the classification in Section 2 if specific ingredient classifications are mandated by competent authority. In Addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as whole.

Inhalation

No Known Health Effects.

Skin Contact

Contact with the skin during product use is not expected to result in insignificant irritation.

Eye Contact

Contact with the skin during product use is not expected to result in insignificant irritation.

Ingestion

No Known Health Effects.

Toxicological Data

No data are available for that endpoint or the data are not sufficient for classification.

Skin Corrosion/Irritation

No data are available for that endpoint or the data are not sufficient for classification.

Section 12 – Ecological Information

12.1. Toxicity

Do Not Allow to enter soil, waterways .

12.2. Bioaccumulative potential

Not available.

12.3. Mobility in soil

Not available.

12.4. Other adverse effects

Not available.

Section 13 – Disposal Considerations

13.1. Disposal methods

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

Section 14 – Transport Information

14.1. International Transport Regulations

UN No.: Not regulated

Proper shipping name : Not regulated

Class / Division : Not regulated

Packing group : Not regulated

Marine pollutant : Not regulated

Section 15 – Regulatory Information

15.1. Safety, health and environmental regulations

Regulatory information with regard to this substance in your country or in your region should be examined.

Section 16 : Additional Information

16.1. List of abbreviation and acronyms used in this MSDS

SDS : Safety Data Sheets

Index N° : atomic number of the element most characteristic of the properties of the substance

CAS No : Chemical Abstracts Service number

EC No : EINECS Number : European Inventory of Existing Commercial Substances

Repr. Cat. 2 : Substance presumed human reproductive toxicant

Acute Oral Cat. 5 : Substance which is of relatively low acute oral toxicity.

GHS : Globally Harmonised System of Classification and Labelling

LD₅₀ : Median Lethal Dose

LC₅₀ : Lethal Concentration, 50%

N.A. : Not Applicable

OSHA : Occupational Safety & Health Administration

Cal OSHA : The State of California Division of Occupational Safety and Health (DOSH)

PEL : Permissible Exposure Limits

ACGIH : American Conference of Governmental Industrial Hygienists

TLV : Threshold Limit Value

Japanese MITI : Japanese Ministry of International Trade and Industry

EC₅₀ : Half maximal effective concentration

UN : United Nations

U.S. EPA TSCA Inventory: Inventory of the chemical substances manufactured or processed in the United States according to Toxic Substances Control Act compiled and published under the authority of the Environmental Protection Agency

Canadian DSL: Canadian Domestic Substances List

16.2. Disclaimer of Liability

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