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Safety Data Sheet
Chang Chun Petrochemical CO. LTD.

Product Name: Polyvinyl Acetate Emulsion **Revision Date:** 2015/7/27

Chang Chun Petrochemical company Limited encourages and expects you to read and understand the entire SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

1. Product and supplier information

Product name：Polyvinyl Acetate Emulsion
Synonyms：PVAc Emulsion
Recommended application and usage: All kind of paper and timber product adhesive、reinforce cement、textile finish、binder for coconut matting
Supplier Information：Chang Chun Petrochemical CO. LTD. No. 301, SongKiang Road, 7th Floor., Taipei,Taiwan. TEL: 886-2-25001796 FAX: 886-225033378 **Factory:** Chang Chun Petrochemical Co., Ltd. Miao-Li Factory, Fu Sing No. 246, Fu An Li, Miaoli City 36010, Taiwan TEL: 886-37-320673 ext 246 or 249 Shin-Chen Lin FAX: 886-37-355591
Emergency phone numbers：ditto

2. Information of hazard identification

Classification:
Label illustration: **1). Label is shown as :** **2). Warning:** **3). Hazard Description:** Causes mild skin irritation, Causes eye irritation **4). Hazard prevention:** 1.Wear appropriated protective gloves and clothing. 2.Avoid prolonged or repeated contact with skin and eye.
Other Hazard: No further information

3. Composition information on ingredients：

Ingredient	CAS Number	Percent (by weight)
Polyvinyl acetate	9003-20-7	30~55%
Polyvinyl alcohol	25213-24-5	2~10%
Diethylene glycol dibenzoate	120-55-8	0~5%
Dibutyl phthalate	84-74-2	0~5%
Texanol	25265-77-4	0~5%
Water	7789-20-0	Balance to 100%

4. First-aid measures：

Physical and Chemical Hazards： Dispersion in water.
Inhalation：Remove to fresh air. Get medical attention for any breathing difficulty.
Ingestion：Not expected to require first aid measures.

Skin Contact：Wash exposed area with soap and water.
Eye Contact：Wash thoroughly with running water. Get medical advice if irritation develops.

5.Extinguishing measure

Extinguishing Media： Water spray, dry chemical, alcohol foam or carbon dioxide.
Special Firefighting Procedures： In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. accidental release measures:

Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container.

7. Safety measures and storage method:

To ensure safe storage of solution, containers should be well sealed to prevent evaporation of water and the formation of skin on the surface. The solution must be stored at a temperature above freezing. A temperature of 5~30℃ for not more than 6 months is recommended. High temperature will affect quality and cause the formation of crusts and skins, especially if the containers are not tightly closed or subjected to direct sunlight for long periods.

8. Exposure control and personal protection

Airborne Exposure Limits: **OSHA Permissible Exposure Limit (PEL):** NA **ACGIH Threshold Limit Value (TLV):** NA
Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred.
Personal Respirators: If the exposure limit is exceeded, a half-face dust/mist respirator may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest.
Eye Protection: Use chemical safety goggles.
Skin Protection: Wear protective gloves and clean body-covering clothing.

9. Physical and chemical properties

Physical State：Aqueous solution	**Odor**：Mild odor
Color：White	**Melting Point**：—
pH：4~6	**Boiling Point**：100℃
Decomposition Temperature：>150℃	**Auto Ignition Temperature**：no Ignition Temperature
Flash Point：—	**Explosion Properties**：no explosion
Vapor pressure：No vapor pressure	**Freezing Point**：0℃
Specific Gravity：1.0 - 1.1	**Vapor density**：<1
	Dynamic Viscosity：10^3 ～10^6 cps
Volatile Organic Compounds (VOC) Content:	**Solubility**：Dispersion in water

10.Stability and Reactivity

Stability：Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:
Complete combustion will emit carbon dioxide and water when heated to decomposition. Incomplete combustion gives in addition carbon monoxide and oxidation products, including organic acids, aldehydes and alcohol.

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong oxidizers.

Conditions to Avoid: Heat, flame, ignition sources, dusting and incompatibles.

11.Toxicological information

Acute toxicity
Oral rat LD50: No information.
Ingestion：
A similar product was found to be non-toxic orally when tested as described in 16 CFR Part 1500.3(c)(1) and (2).
Eye Contact：
A similar product was not an irritant when tested as described in 16 CFR Part 1500.42.
Skin Contact：
A similar product was not an irritant when tested as described in 16 CFR Part 1500.41.
Skin Absorption：
A similar product was found to be non-toxic dermally when tested as described in 16 CFR Part 1500.3 (c)(1) and (2).
Inhalation：
A similar product was found to be non-toxic by inhalation when tested as described in 16 CFR Part 1500.3 (c)(1) and (2).

12. Ecological information

CHEMICAL FATE
Data for Component: Polyvinyl Acetate Emulsion
Movement & Partitioning
No information.
Henry's Law Constant (H): No information.
Partition coefficient, n-octanol/water (log Pow): No information.
Partition coefficient, soil organic carbon/water (Koc): No information.
Persistence and Degradability：
No information.
OECD Biodegradation Tests:
No information.

ECOTOXICITY
Data for Component: Polyvinyl Acetate Emulsion
Fish Acute & Prolonged Toxicity
No information.
Aquatic Invertebrate Acute Toxicity
No information.

13. Disposal consideration

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and

approved waste disposal facility. Dispose of as a non-hazardous solid waste.

14.Transport information

International regulations : This product is not classified as dangerous goods according to the international regulations for transport by land, island waterway, sea and air.
UN classification number : None, according to IATA
Specific Precautionary Transport Measures and Conditions : This product is not classified as dangerous goods according to the international regulations for transport by land, island waterway, sea and air.

15. Regulatory information

European Inventory of Existing Commercial Chemical Substances (EINECS) Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer

16. Other information

Literature references	PVAc manual	
Organization	Name： Chung Chun Petrochemical Co., Ltd	
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