

Safety data sheet

VP/VA Copolymer (60/40, Powder)

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1. Substance/preparation and company identification

Company
Chanjao Longevity Co., Ltd.
50 Ramindra 14, Bangkok 10230
Thailand

24 Hour Emergency Response Information
CHEMTREC: (800) 424-9300

Chemical family: copolymer
Synonyms: VINYLPIRROLIDONE COPOLYMER

2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
25086-89-9	>99.0 %	Acetic acid ethenyl ester, polymer with 1-ethenyl-2-pyrrolidinone

3. Hazard identification

Emergency overview

CAUTION: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
INGESTION MAY CAUSE GASTRIC DISTURBANCES.

Potential health effects

Primary routes of exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute toxicity:

Ingestion may cause severe gastrointestinal disturbances.

Irritation:

May cause slight irritation to the skin. May cause slight irritations to the respiratory tract. May cause slight irritation to the eyes.

Repeated dose toxicity:

Information on: N-Vinyl Pyrrolidone (NVP)

N-vinylpyrrolidone is moderately toxic by ingestion and may be absorbed via skin or inhalation.

Acute and subchronic animal studies indicate that overexposure to NVP by ingestion or inhalation may result in liver and kidney injury.

Information on: N-Vinyl Pyrrolidone (<0.1%)

This product contains low levels (<0.1%) of N-vinylpyrrolidone (NVP). Rats exhibited minor liver changes at airborne levels of 15 ppm and irritation of the nasal mucosa at 5 ppm. The results of a two-year inhalation study indicate that rats exposed to 5, 10 and 20 ppm NVP exhibited benign or malignant tumors of the nasal tissue. Only benign tumors were observed among females at 10 ppm and males and females at 5 ppm. Liver damage was noted at all dose levels, including a significant increase in the occurrence of malignant tumors in the livers of the high dose animals. Tumors of the larynx were also observed among animals at the highest dose.

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4. First-aid measures

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air.

If on skin:

Wash thoroughly with soap and water.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

If swallowed:

Rinse mouth and then drink plenty of water.

5. Fire-fighting measures

Suitable extinguishing media:

foam, water fog, dry powder

Hazards during fire-fighting:

No particular hazards known.

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

NFPA Hazard codes:

Health : 1 Fire: 0 Reactivity: 0 Special:

6. Accidental release measures

Personal precautions:

Handle in accordance with good industrial hygiene and safety practice. Wear suitable personal protective clothing and equipment.

Environmental precautions:

Do not empty into drains.

Cleanup:

For large amounts: Pick up with suitable appliance and dispose of.

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7. Handling and storage

Handling

General advice:

Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

The relevant fire protection measures should be noted.

Storage

General advice:

Containers should be stored tightly sealed in a dry place. Protect against heat.

8. Exposure controls and personal protection

Components with workplace control parameters

1-vinyl-2-pyrrolidone

ACGIH TWA value 0.05 ppm ;

Advice on system design:

Provide local exhaust ventilation to control vapours/mists.

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields (frame goggles) (EN 166)

General safety and hygiene measures:

Avoid inhalation of mists. Wear protective clothing as necessary to minimize contact. Wash contaminated clothing before reuse.

9. Physical and chemical properties

Form:	powder
Odour:	faint specific odour
Colour:	yellowish
pH value:	3 - 7
Solubility in water:	> 150 g/l
Solubility (qualitative):	soluble solvent(s): organic solvents,

10. Stability and reactivity

Conditions to avoid:

Avoid extreme heat.

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Substances to avoid:

No substances known that should be avoided.

Hazardous reactions:

No hazardous reactions if stored and handled as prescribed/indicated.

Thermal decomposition:

> 150 °C

Corrosion to metals:

No corrosive effect on metal.

11. Toxicological information

Acute toxicity

Oral:

LD50/mouse: > 10 g/kg

Practically nontoxic.

Skin irritation:

rabbit: Nonirritating. (Primary skin irritation test)

Eye irritation :

rabbit: Nonirritating.

12. Ecological information

Environmental fate and transport

Biodegradation:

Test method: OECD Guideline 302 B

Degree of elimination: < 20 %

Evaluation: Poorly eliminated from water.

Environmental toxicity

Toxicity to microorganisms:

bacteria: > 20,000 mg/l

The product has not been tested. The statement has been derived from products of a similar structure and composition.

13. Disposal considerations

Waste disposal of substance:

Incinerate or dispose of in a licensed facility.

Do not discharge substance/product into sewer system.

Contaminated packaging:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

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14. Transport information

Reference Bill of Lading

15. Regulatory information

Federal Regulations

Registration status:
TSCA, US released / listed

SARA hazard categories (EPCRA 311/312): Not hazardous

16. Other information

HMIS III rating

Health: 1 \square Flammability: 0 Physical hazard: 0

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.
