

Material Safety Data Sheet

PVP/VA

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: PVP/VA

CAS Registry Number: 25086-89-9

CAS Registry Name: Acetic acid ethenyl ester, polymer with 1-ethenyl-2-pyrrolidinone

Synonyms: VP/VA Copolymer (INCI NAME)

Formula: (C₆H₉NO·C₄H₆O₂)_x

Company Identification: Chemtrade International
Rm. 2-501, Huaxia Zonghe Building, No. 410, Jिंगgangshan Road,
Qingdao Development Zone, Qingdao, Shandong, China 266555

Emergency Number: +86-532-86893005

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Components:	Weight %	ACGIH Threshold Limit Values Data - Time Weighted Average (TWA):	OSHA Specifically Regulated Substances Data - Time Weighted Average (TWA):
Acetic acid ethenyl ester, polymer with 1-ethenyl-2pyrrolidinone 25086-89-9	97	No TLV/TWA Established	No TLV/TWA Established

Statement of Hazardous Nature: Dusts at sufficient concentrations can form explosive mixtures with air.

3. HAZARDS IDENTIFICATION

Emergency Overview

DUSTS AT SUFFICIENT CONCENTRATIONS CAN FORM EXPLOSIVE MIXTURES WITH AIR.

Hazard Overview

Target Organs: None effected.

Primary Entry Routes: Not applicable.

Acute Health Hazards: None known.

Chronic Health Hazards: None known

Signs and Symptoms of Overexposure

Eye Contact: Not a hazard under normal use conditions.

Skin Contact: Not a hazard under normal use conditions.

Ingestion: Not a hazard under normal use conditions.

Inhalation: Not a hazard under normal use conditions.

4. FIRST AID MEASURES

Eye Contact: Flush eyes with copious amounts of water.

Skin Contact: Wash with soap and water.

Ingestion: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: No specific treatment is necessary since material is not likely to be hazardous by inhalation. If exposed to excessive levels of dust or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

5. FIRE FIGHTING MEASURES

NFPA Rating: Health: 1 Flammability: 3 Reactivity: 0

Flash Point (°F): N.Ap.

Extinguishing Media: All standard firefighting media

Unusual Fire/Explosion Hazards: Powdered material may form explosive dust-air mixtures. This material has an explosion hazard greater than Pittsburgh coal dust.

Special Protective Equipment: Fire fighters should wear full protective clothing, including self-contained breathing equipment.

HMS RATING:

HEALTH: 1

FLAMMABILITY: 3

PHYSICAL HAZARD: 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures: Use appropriate protective equipment.

Procedure for Cleaning/Absorption: Contain spill with sand or other inert materials.

7. HANDLING AND STORAGE

Handling: Minimize dust generation and accumulation. Wash thoroughly with soap and water after handling.

Storage: Keep containers tightly closed when not in use. Store in a cool, dry place, out of direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use in a well ventilated area.

Respiratory Protection: Use in a well ventilated area.

Hand Protection: Use gloves as a standard industrial handling procedure.

Eye Protection: Safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Powder

Color: White

Odor: Not determined

Odor Threshold: Not available

pH: Not determined

Specific Gravity: 1.27

Boiling Point (°F): Not determined

Melting Point (°F): Not determined

Vapor Pressure: Not determined

Solubility: Dispersible in water

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of handling, use and transportation.

Hazardous Polymerization: Will not occur

Conditions to Avoid: Keep away from heat, sparks and flame. Minimize dust generation and accumulation.

Materials to Avoid: Strong oxidizing agents. Strong reducing agents.

Hazardous Decomposition Products: Oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

Toxicity Test:

Acute Oral LD50 (mg/kg): >5,000 (25% aqueous solution of analogous product of PVP/VA 60:40)

Sensitization: Non-sensitizing to humans (HRIPT) (PVP/VA (30:70; VP:VA) in ethanol)

Skin Irritation: Non-irritating to rabbit skin (0.5 solid PVP/VA S-630).

Eye Irritation: Minimally irritating to rabbit eye.

12. ECOLOGICAL INFORMATION

Biodegradability: Not readily biodegradable. (tested at a concentration of 100 mg/L)

Aquatic Toxicity: Daphnia Magna, 24 & 48 hr: EC50= >1,000 mg/L

13. DISPOSAL CONSIDERATIONS

Disposal of Waste Method: Federal, state and local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

14. TRANSPORT INFORMATION

Land Transportation:

DOT (Non-Bulk):

DOT Shipping Name: NOT REGULATED

UN/NA Number: NONE

Hazard Class: NONE

DOT (Bulk):

DOT Shipping Name: NOT REGULATED

UN/NA Number: NONE

Hazard Class: NONE

Air Transportation (IATA):

Proper Shipping Name: NOT REGULATED

UN Number: NONE

Hazard Classification: NONE

Sea Transportation (IMO):

Proper Shipping Name: NOT REGULATED

UN/ID Number: NONE

Hazard Classification: NONE

TDG (Canada):

Proper Shipping Name: NOT REGULATED

Hazard Class: NONE

15. REGULATORY INFORMATION

TSCA Inventory List - This product and/or its components is listed on TSCA.

California Proposition 65 Carcinogens & Reproductive Toxicity (CRT) List - None of the components of this product is listed on CALPROP.

WHMIS Ingredient Disclosure List - None of the components of this product is listed on WHMIS Ingredient Disclosure list

Canada DSL Inventory List - This product and/or its components is listed on DSL.

Canada NDSL Inventory List - This product and/or its components is not listed on NDSL.

Japan Inventory of Existing & New Chemical Substances (ENCS) - This product and/or its components is listed on ENCS.

Australia Inventory of Chemical Substances (AICS) - List This product and/or its components is listed on AICS.

EU EINECS List - This product and/or its components is not listed on or is exempt from EINECS.

EU ELINCS List - This product and/or its components is not listed on ELINCS.

16. OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

END OF MSDS