

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: KANEVINYL PASTE PCH-175
Reference Number: PC-05E
Company Name: KANEKA CORPORATION
Address: 2-3-18, Nakanoshima, Kita-ku, Osaka, Japan
Responsible Division: Vinyls and Chlor-Alkali Solutions Vehicle
R&B·Technology team, Technology group
Responsible Person: Technology team leader
Phone Number: +81-6-6226-5356
Fax Number: +81-6-6226-5345
Latest SDS URL: <https://www.pvc.kaneka.co.jp/en/index.html>
E-mail: kasei-hinshitsu@kaneka.co.jp
Emergency Access: KANEKA CORPORATION
Paste Team (Tokyo)
Phone Number: +81-3-5574-8021

2. HAZARDS IDENTIFICATION

GHS Classification Classification not possible or Not applicable

Label Element

Pictograms: Not applicable
Signal Words: Not applicable
Hazard Statements: Not applicable
Precautionary Statements: Not applicable

Summary of Important Symptoms and Potential Emergencies:

Respiratory irritation from inhalation and mild respiratory injury from prolonged or repeated exposure is possible.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Distinction of Substance / Mixture: Substance

Chemical Name or Common Name: Vinyl chloride-vinyl acetate copolymer

Synonym: Polyvinyl chloride resin; PVC resin

Chemical Formula: $(\text{CH}_2\text{-CHCl})_n(\text{CH}_2\text{-CHOAc})_m$

Composition and Concentration or Concentration Range

| Chemical name or common name | Concentration range | Serial No. of government gazette in Japan | | CAS No. |
|---|------------------------|--|-----------------------|--------------|
| | | CSCL | ISHL | |
| Vinyl chloride- vinyl acetate copolymer | 97% or more | (6)-76 | Existing substance | 9003-22-9 |
| Vinyl acetate (unreactant) | 0.3% or less | (2)-728 | Existing substance | 108-05-4 |
| Polymeric additives (residues) | 3% or less | Confidential | Confidential | Confidential |

Impurities and stabilizing additives contributed to GHS Classifications:

Nothing special.

4. FIRST AID MEASURES

If Inhaled: Remove person to fresh air and keep comfortable for breathing. When you feel unwell, call a doctor and get medical attention if necessary.

If on Skin: Wash with plenty of water and soap.
Get medical attention if necessary.

If in Eyes: Wash eyes immediately with clear water for more than 15 minutes. Get medical attention if necessary.

If Swallowed: If swallowing in large quantities, rinse your mouth with water and ask a doctor for treatment.

The Acute and Delayed Effects and Main Symptoms:

Respiratory irritation from inhalation and mild respiratory injury from prolonged or repeated exposure is possible.

Advice to Protect the Rescuers:

Rescuers need to wear suitable protective equipment, such as protective gloves and protective glasses.

Note to Physician:

Nothing special

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water, dry chemical powder, foam.

Unsuitable Extinguishing Media: Nothing special

Special Hazards and Risks: Combustion produces irritating hydrogen chloride gas.

Specific Fire Fighting Method: Isolation the site and prohibit the unnecessary person to access. Fight fire from upwind side.

Fire Fighting Notes and Protective Measures:

Fire-fighting personnel must wear protective equipment (heat-resistant gloves, protective goggles, air respirator, etc.) according to the situation. Wear respiratory protection since combustion produces toxic gas (hydrogen chloride).

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Evacuate immediate area. Keep unnecessary personnel away.

Work from upwind and evacuate people downwind. Wear protective gloves, protective glasses and dust masks to avoid inhaling dust.

Environmental Precautions:

Do not allow the product to enter rivers, or any body of water. Avoid impact on the environment.

Methods and Materials for Containment and Cleaning Up:

Collect scattered spills into empty containers for recovery. Remove by vacuum suction and other methods that do not scatter dust.

Prevention Measures for Secondary Disaster:

Nothing special.

7. HANDLING AND STORAGE

HANDLING

Technical Measures: Handle in areas with well ventilation. Wear appropriate protective equipment (protective gloves, protective glasses, protective masks, etc.).

Keep away from fire. Ground the device, equipment, etc. to prevent static electricity.

Provide local exhaust and general ventilation.

Precautions for Safe Handling:

Avoid dust during processing. Avoid inhaling dust.

Contact Avoidance: Refer to "10. STABILITY AND REACTIVITY"

Hygiene Measures: Do not eat, drink or smoke when using this product. Provide safety shower and hands/eye wash station identified clearly at rest area.

Wash hands, eyes and mouth thoroughly after handling.

STORAGE

Safety Storage Conditions:

Store in a cool, ventilated place. Avoid direct sunlight.

Safe Container and Packing Material:

Paper bags, flexible containers, silos.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Permissible Concentration, etc.

Controlled Concentration: Not applicable

Permissible Concentration:

JSOH (2021):

3rd class dust: 2mg/m³(Inhalation dust), 8mg/m³(Total dust)

ACGIH (2017):

TWA 1mg/m³ (Polyvinyl chloride Respirable Fraction)

Measures for Facilities: Use local mechanical ventilation in work areas where dust is generated. Provide safety shower and hands/eye wash station identified clearly near work area.

PERSONAL PROTECTIVE EQUIPMENT:

Respiratory Protection: Dust mask

Hand Protection: Rubber gloves

Eye/Face Protection: Protective glasses and goggles

Skin and Body Protection: Protective clothing with long sleeves

Special Precautions: Nothing special

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid (powder)

Color: White

Odor: Odorless

Melting Point/Freezing Point: No data

Boiling Point, Initial Boiling Point and Boiling Range: No data

Combustibility: Self-extinguishing resin with oxygen index of approx 45.²⁾

Upper/Lower Flammability or Explosive Limits: No data

| | |
|--|--|
| Flash Point: | 391°C ¹⁾ |
| Auto-ignition Temperature: | 454°C ¹⁾ |
| Decomposition Temperature: | No data |
| pH: | No data |
| Kinematic Viscosity: | Not applicable |
| Solubility: | Not soluble in water |
| Partition Coefficient (n-Octanol/Water) (log Pow): | No data |
| Vapor Pressure: | No data |
| Density and/or Relative Density: | True specific gravity 1.4(20°C) |
| Relative Vapour Density: | Not applicable |
| Particle characteristics: | Several µm~Several 100µm (particle size) |

10. STABILITY AND REACTIVITY

| | |
|-------------------------------------|---|
| Reactivity: | Stable under normal use conditions. |
| Chemical Stability: | Stable under normal use conditions. |
| Possibility of Hazardous Reactions: | Stable under normal use conditions. |
| Condition to Avoid: | Keep away from fire. |
| Incompatible Materials: | Contact with fluoride can cause violent reactions. Sulfuric acid, nitric acid, hydrochloric acid |
| Hazardous Decomposition Products: | Combustion produces irritating hydrogen chloride gas. |

11. TOXICOLOGICAL INFORMATION

| | |
|---|-----------------------------|
| Acute Toxicity (Oral): | Classification not possible |
| Acute Toxicity (Dermal): | Classification not possible |
| Acute Toxicity (Inhalation: gas): | Not applicable |
| Acute Toxicity (Inhalation: vapour): | Not applicable |
| Acute Toxicity (Inhalation: dust): | Classification not possible |
| Skin Corrosion/Irritation: | Classification not possible |
| Serious Eye Damage/Irritation: | Classification not possible |
| Respiratory or Skin Sensitizations: | Classification not possible |
| Germ Cell Mutagenicity: | Classification not possible |
| Carcinogenicity: | Classification not possible |
| Reproductive Toxicity: | Classification not possible |
| Specific Target Organ Toxicity (Single Exposure): | Classification not possible |
| Specific Target Organ Toxicity (Repeated Exposure): | Classification not possible |

Aspiration Hazards:

Classification not possible

<Reference information (Hazard information of Vinyl acetate)>

| | |
|---|--|
| Acute Toxicity (Inhalation: vapour): | Category 4 ³⁾ |
| Skin Corrosion/Irritation: | Category 2 ³⁾ |
| Serious Eye Damage/Irritation: | Category 2 ³⁾ |
| Germ Cell Mutagenicity: | Category 2 ³⁾ |
| Carcinogenicity: | Category 2 |
| | ACGIH:A3 ⁴⁾ , IARC: Group 2B ⁵⁾ |
| | Classified as Category 2 according to GHS. |
| Specific Target Organ Toxicity (Single Exposure): | |
| | Category 3(Respiratory tract irritation) ³⁾ |
| | Category 3(Narcotic effects) ³⁾ |
| Specific Target Organ Toxicity (Repeated Exposure): | |
| | Category 2(Respiratory organs) ³⁾ |

12. ECOLOGICAL INFORMATION

Ecological Toxicity:

Hazards to aquatic environment - Short-term (acute): No data

Hazards to aquatic environment - Long-term (chronic): No data

Persistence/Degradability: No data

Bioaccumulation Potential: No data

Mobility in Soil: No data

Hazardous to the Ozone Layer: No data

<Reference information (Hazard information of Vinyl acetate)>

Hazards to aquatic environment - Short-term (acute): Category 2 ³⁾

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with the waste disposal and cleaning law.

If wastes disposal is outsourced, dispose of properly via a licensed industrial waste disposal contractor.

14. TRANSPORT INFORMATION

International Regulations

UN No.:

Not applicable

| | |
|--|-----------------|
| UN Proper Shipping Name: | Not applicable |
| Hazard Class: | Not applicable |
| Packing Group: | Not applicable |
| Marine Pollutant (Yes/No) | No |
| Japan Domestic Regulation | Nothing special |
| Specific Safety Measure and Condition of Transport: | |
| Avoid direct sunlight, damage to containers, corrosion and leakage. Prevent the goods from collapsing. | |
| Emergency Response Guide Number: | Not applicable |

15. REGULATORY INFORMATION

Please consult the regulations of the importing country.

If you have questions, please contact us.

Japan Domestic Regulation

| | |
|---|---|
| CSCL: | Priority evaluation chemicals (containing Vinyl acetate (unreactant) 0.1~0.3%) |
| PRTR: | Class 1 Designated Chemical Substance Management No. 134 (containing Vinyl acetate (unreactant) 0.1~0.3%) |
| ISHL: | Harmful substances should be informed of their names (containing Vinyl acetate (unreactant) 0.1~0.3%) |
| Waste Management and Public Cleansing Law: Industrial waste | |
| Fire Services Act | Non dangerous substance |
| PDSC | Not poisonous or deleterious substances |
| Ship Safety Act | Not dangerous substance |

16. OTHER INFORMATION

▪ References:

- 1) 「Plastics Data Handbook」 Edited by Kimimasa Itoh, Kogyo Chosakai Publishing Co., Ltd. (1980), P116
- 2) Same as above, P110
- 3) Japan Ministry of Health, Labour and Welfare Workplace Safety Website model SDS
- 4) ACGIH(7th, 2018)
- 5) IARC 65(1995)

▪ Disclaimer:

The contents herein are based on documents, information and data available at the time of press. However, no guarantee is extended as to the physical / chemical characteristics and dangerousness.

Cautions are meant for normal conditions of handling. Appropriate safety measures must be taken for each special conditions of handling.
