# SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| Product Name: | KANEVINYL PASTE PS-300K |
| Reference Number: | PB-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, Takasago plant, Synthetic resin manufacturing department |
| Phone Number: | +81-79-445-2043 |
| Emergency Access: | KANEKA CORPORATION, Kashima plant, Vinyl chloride section |
| Phone Number: | +81-299-96-7421 |

## 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: Polyvinyl chloride

Synonym: Polyvinyl chloride resin; PVC resin

Chemical Formula: $(CH_2\text{-}CHCl)_n$

Composition and Concentration or Concentration Range

| Chemical name or common name | Concentration range | Serial No. of government gazette in Japan | | CAS No. |
|---|---|---|---|---|
| | | CSCL | ISHL | |
| Polyvinyl chloride | 99% or more | (6)-66 | Existing substance | 9002-86-2 |
| Polymeric additives (residues) | 1% 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).

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## 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.

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## 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.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Permissible Concentration, etc.

Controlled Concentration: Not applicable

Permissible Concentration:

JSOH (2021):

3rd class dust: 2mg/m$^3$(Inhalation dust), 8mg/m$^3$(Total dust)

ACGIH (2017):

TWA 1mg/m$^3$ (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

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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|---|---|
| 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℃ [1)] |
| Auto-ignition Temperature: | 454℃ [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℃) |
| 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

## 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 |

## 13. DISPOSAL CONSIDERLATIONS

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: Existing chemical substance

| | |
|---|---|
| PRTR: | Not designated chemical substance |
| ISHL: | Not labeling/notification obligations substance |
| Waste Management and Public Cleansing Law: Industrial waste | |
| Fire Services Act | Non dangerous substance |
| PDSCL | 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

- **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.