SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	KANEVINYL PASTE PCH-12
Reference Number:	PC-01E
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: $(CH_2\text{-}CHCl)_n(CH_2\text{-}CHOAc)_m$

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).

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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

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

＜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 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:	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
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
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.