

First issue: January 1, 2005  
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## SAFETY DATA SHEET

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### 1. Product and Company Information

Product name: KANEKA XEL-E

Manufacturer: KANEKA CORPORATION  
Address: 2-3-18, Nakanoshima, Kita-ku, Osaka, Japan  
Department in charge: Technology Team,  
R&B Technology Group,  
Vinyls and Chlor-Alkali Solutions Vehicle

Person in charge: Head of R&B Technology Group  
Phone number: +81-6-6226-5356  
Fax number: +81-6-6226-5345

Emergency access: KANEKA CORPORATION  
Specialty PVC Global Marketing Team  
Phone number: +81-3-5574-8020  
Reference Number: X-03E

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### 2. Hazards Identification

Physicochemical effects: Not available  
Health effects: Not available  
Environmental effects: Not available  
GHS classification : Classification not possible or not applicable

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### 3. Composition / Information on Ingredients

Distinction of substance / mixture: Substance  
Chemical name: Polyvinyl chloride  
General name: Polyvinyl chloride resin (PVC resin)  
Chemical formula and content:  $(\text{CH}_2\text{-CHCl})_n$ , 99 % or more  
Classification number in the official gazette:  
6-66 (Japanese Chemical Substances Control Law)  
CAS number: 9002-86-2

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### 4. First Aid Measures

Inhalation: If inhaled abundantly, consult a physician.  
Skin Contact: Rinse with water.  
Eye Contact: Do not rub the eyes. Rinse with water for at least 15 minutes, and consult a

Ingestion: physician.  
If ingested abundantly, consult a physician.

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## 5. Fire Fighting Measures

Fire Fighting Instruction: Extinguisher must use air breathing apparatus.  
Extinguishing Agent: Water, dry chemical extinguishing agents or foam extinguishing agents.  
Others: Irritant gas is emitted when burnt.  
Major component of gas : HCl, CO and CO<sub>2</sub>.

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## 6. Accidental Release Measures

Collect the diffused powder in empty containers with protective gears.

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## 7. Handling and Storage

Handling: Handle under well ventilation with protective gears.  
Do not expose to fire. Do not diffuse.  
Storage: Avoid exposure to direct sunlight, and store at a well ventilated, cool and dark place.

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## 8. Exposure Controls / Personal Protection

Exposure control: Not applicable  
Exposure limit values:  
Japan Society for Occupational Health: None  
ACGIH: 1mg/m<sup>3</sup>(ACGIH TLVs and BEIs, 2010)  
Engineering controls:  
Desirable to install ventilators with dust filters where diffusion tends to occur.  
Protective gears:  
Use the following protective gears when necessary.  
Respirators: Dust masks in operation, and air breathing apparatus mask in case of fire.  
Protective spectacles: Dustproof spectacles.  
Protective gloves: Protective gloves.  
Protective clothes: Not required generally.

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## 9. Physical and Chemical Properties

Appearance: White powder  
Boiling point: Not available  
Melting point: Not available  
Vapor pressure: Not available  
Volatility: Not available  
True specific gravity: 1.4 (20 °C)  
Solubility: Not soluble in water

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## 10. Stability and Reactivity

Stability, Reactivity: Stable under normal handling conditions.  
Condition to avoid: Do not expose to fire  
Hazardous decomposition products: Irritant gas(HCl) is emitted when burnt.  
Ignition temperature: 391 degrees C <sup>1)</sup>  
Flash ignition temperature: 454 degrees C <sup>1)</sup>  
Combustibility: Self-extinguishing resin with oxygen index of approx 45. <sup>2)</sup>  
Ignitability: Not ignitable in room temperature.  
Oxidative property: Stable in room temperature.  
Dust explosiveness: Stable in terms of dust explosiveness.

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## 11. Toxicological Information

Unclear, but no case known to show hazardousness.

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## 12. Ecological information

Degradability: Unknown  
Accumulativeness: Unknown  
Toxicity to fish: Unknown

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## 13. Disposal Considerations

Gather in an appropriate container and dispose in accordance with appropriate local regulations.

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## 14. Transport Information

Avoid damage to containers and collapse of cargo.  
UN Number: Not classified as dangerous material.

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## 15. Regulatory Information

Please consult the regulations of the importing country.  
If you have questions, please contact us.

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## 16. Other Information

- 1) Plastics Data Handbook  
Edited by Kimimasa Itoh, Kogyo Chosakai Publishing Co., Ltd. (1980), Page 116.
- 2) Same as above, Page 110.

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.

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