1 Identification

- **Product identifier**
  - **Trade name:** PANAVIA V5; Try-in Paste

- **Article number:** CA214-Ti

- **Relevant identified uses of the substance or mixture and uses advised against**
  - No further relevant information available.

- **Application of the substance / the mixture**
  - Dental colour matching test material

- **Details of the supplier of the safety data sheet**
  - **Manufacturer:** Kuraray Noritake Dental Inc.
    1621 Sakazu, Kurashiki, Okayama 710-0801, Japan
  - **Contact information:** Kuraray America, Inc.
    33 Maiden Lane, 6th Floor, New York,
    NY 10038 U.S.A.,
    Tel: 800-879-1676
    Fax: 888-700-5200
    Website: www.kuraraydental.com
  - **Emergency telephone number:**
    For chemical emergency spill, leak, fire, exposure or accident
    Call CHEMTREC day and night
    Within USA and Canada: 1-800-424-9300 CCN706984 or
    +1 703-527-3887 (collect calls accepted)

2 Hazard(s) identification

- **Classification of the substance or mixture**
  - The product is not classified according to the Globally Harmonized System (GHS).

- **Label elements**
  - **GHS label elements** Void
  - **Hazard pictograms** Void
  - **Signal word** Void
  - **Hazard statements** Void

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**
  - 56-81-5 glycerol 75-95% w/w

- **Other ingredients:**
  - Silanated silica filler
  - Silanated colloidal silica
  - Colloidal silica
  - Pigments

4 First-aid measures

- **Description of first aid measures**
  - **After inhalation:** Supply fresh air and to be sure call for a doctor.
  - **After skin contact:** Generally the product does not irritate the skin.
  - **After eye contact:** Rinse opened eye for several minutes under running water.
  - **After swallowing:** If symptoms persist consult doctor.

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5 Fire-fighting measures

- Extinguishing media
  - Suitable extinguishing agents: Use fire fighting measures that suit the environment.
  - Special hazards arising from the substance or mixture: No further relevant information available.
- Advice for firefighters
  - Protective equipment: No special measures required.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures: See Section 8.
- Environmental precautions: Do not allow to enter sewers/surface or ground water.
- Methods and material for containment and cleaning up: Pick up mechanically.
- Reference to other sections: No dangerous substances are released.

7 Handling and storage

- Handling:
  - Precautions for safe handling: No special measures required.
  - Information about protection against explosions and fires: No special measures required.
- Conditions for safe storage, including any incompatibilities
- Storage:
  - Requirements to be met by storerooms and receptacles: Store in a cool location (2-25°C).
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions:
    - Store in cool, dry conditions in well sealed receptacles.
    - Keep receptacle tightly sealed.
    - Protect from heat and direct sunlight.
- Specific end use(s): No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Control parameters

  Components with limit values that require monitoring at the workplace:

  56-81-5 glycerol
  - EL: Long-term value: 10* 3** mg/m³
    - *mist, **mist, respirable
  - EV: Long-term value: 10 mg/m³

- Additional information: The lists that were valid during the creation were used as basis.
- Exposure controls
  - Personal protective equipment:
  - General protective and hygienic measures:
    - The usual precautionary measures for handling chemicals should be followed.
- Breathing equipment: Not required.
Trade name: PANAVIA V5; Try-in Paste

- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**
The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Not required.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

  - **General Information**
  - **Appearance:**
    - Form: Pasty
    - Color: Coloured
    - Odor: Odorless
  - **pH-value:** Not determined

- **Change in condition**
  - Melting point/Melting range: 18.18 °C (glycerol)
  - Boiling point/Boiling range: 290.0 °C (glycerol)

- **Flash point:** 177 °C (glycerol)

- **Ignition temperature:** 393°C (glycerol)

- **Decomposition temperature:** Not determined

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**
  - Lower: 0.9 Vol % (glycerol)
  - Upper: Not determined

- **Oxidizing properties**
  - Not determined

- **Vapor pressure:** 0.1 hPa (20°C, glycerol)

- **Density:** 1.2 g/cm³

- **Relative density**
  - Not determined

- **Vapor density**
  - Not determined

- **Evaporation rate**
  - Not determined

- **Solubility in / Miscibility with Water:** Partly soluble.

- **Partition coefficient (n-octanol/water):** Not determined

- **Viscosity:** Not determined

- **Other information** No further relevant information available.
10 Stability and reactivity

- **Reactivity**: No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided**: No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**: No dangerous reactions known.
- **Conditions to avoid**: No further relevant information available.
- **Incompatible materials**: No further relevant information available.
- **Hazardous decomposition products**: Carbon monoxide and carbon dioxide

11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity**:
    - **Primary irritant effect**:
      - **on the skin**: No irritant effect.
      - **on the eye**: No irritating effect.
    - **Sensitization**: No sensitizing effects known.
  - **Additional toxicological information**:
    - The product is not subject to classification according to internally approved calculation methods for preparations:
    - When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
  - **Carcinogenic categories**
    - **IARC (International Agency for Research on Cancer)**
      - None of the ingredients is listed.
    - **NTP (National Toxicology Program)**
      - None of the ingredients is listed.

12 Ecological information

- **Toxicity**
  - **Aquatic toxicity**: No further relevant information available.
  - **Persistence and degradability**: No further relevant information available.
  - **Behavior in environmental systems**:
    - **Bioaccumulative potential**: No further relevant information available.
    - **Mobility in soil**: No further relevant information available.
  - **Additional ecological information**:
    - **General notes**:
      - Water hazard class 1 (Self-assessment): slightly hazardous for water
      - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
    - **Results of PBT and vPvB assessment**
      - **PBT**: Not applicable.
      - **vPvB**: Not applicable.
      - **Other adverse effects**: No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**: Smaller quantities can be disposed of with household waste.
46.0.15

- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

14 Transport information

- UN-Number
  - DOT, TDG, ADN, IMDG, IATA: Void

- UN proper shipping name
  - DOT, TDG, ADN, IMDG, IATA: Void

- Transport hazard class(es)
  - DOT, TDG, ADN, IMDG, IATA: Void

- Packing group
  - DOT, TDG, IMDG, IATA: Void

- Environmental hazards:
  - Marine pollutant: No

- Special precautions for user
  - Not applicable.

- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
  - Not applicable.

- UN "Model Regulation": Void

15 Regulatory information

- Sara
  - Section 355 (extremely hazardous substances):
    - None of the ingredient is listed.
  - Section 313 (Specific toxic chemical listings):
    - None of the ingredients is listed.
  - SARA 311/312: See Section 2 for the information on physical and health hazards.
  - TSCA (Toxic Substances Control Act):
    - All ingredients are listed.

- Canadian substance listings:
  - Canadian Domestic Substances List (DSL)
    - All ingredients are listed.
  - Canadian Ingredient Disclosure list (limit 0.1%)
    - None of the ingredients is listed.
  - Canadian Ingredient Disclosure list (limit 1%)
    - None of the ingredients is listed.

16 Other information

- This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- * Data compared to the previous version altered.