

**1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY**

Product Name: Root Canal Preparation Paste  
Product Code: 411

Application: Preparation and cleaning of root canals

Company: Davis Schottlander & Davis Ltd  
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**2. HAZARD IDENTIFICATION****Classification of the chemical**

Eye irritant: Category 2  
Specific Target Organ Toxicity SE: Category 3  
Skin Irritant: Category 2  
Skin Corrosion: Category 1B

**Hazard pictogram(s)**

**Signal word:** Danger

**Hazard Statements:**

H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H315 Causes skin irritation.  
H314 Causes severe skin burns and eye damage.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Composition %
Cetyl Alcohol	36653-82-4	1-10%
EDTA	60-00-4	10-30%
Hydrogen Peroxide-Urea	124-43-6	1-10%

**4. FIRST AID MEASURES****Symptoms:**

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** There may be soreness and redness of mouth and throat. Nausea and stomach pain may occur.

<b>Inhalation:</b>	There may be irritation of the throat with a feeling of tightness in the chest.
<b>Action:</b>	
<b>Skin contact:</b>	Remove all contaminated clothes and footwear immediately unless stuck to skin.
<b>Eye contact:</b>	Bathe eye with running water for 15 minutes. Transfer to hospital for specialist examination.
<b>Ingestion:</b>	Wash out mouth with water. Do not induce vomiting. If conscious give half a litre of water to drink immediately. Consult a doctor.
<b>Inhalation:</b>	Remove casualty from exposure ensuring one's own safety whilst doing so.

## 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

**Exposure hazards:** In combustion emits toxic fumes.

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing. See Section 8

**Environmental precautions:** Do not discharge into drains or rivers. Contain spillage with banding.

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

## 7. HANDLING AND STORAGE

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Tightly fitting safety goggles. Ensure eye bath is available.

**Skin protection:** Protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Paste

**Colour:** White

**Odour:** Characteristic odour

**Evaporation rate:** Negligible

# SAFETY DATA SHEET

**Solubility in water:** Soluble  
**Viscosity:** Viscous

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.  
**Conditions to avoid:** Heat.  
**Materials to avoid:** Strong oxidising agents. Strong acids.  
**Hazardous decomposition products:** In combustion emits toxic fumes.

## 11. TOXICOLOGY INFORMATION

**Hazardous ingredients:**

CETYL ALCOHOL  
IPR MUS LD50 1600 mg/kg  
IPR RAT LD50 1600 mg/kg  
ORL MUS LD50 3200 mg/kg  
ORL RAT LD50 5 g/kg  
SKN RBT LD50>2600 mg/kg  
UREA PEROXIDE  
ORL RAT LC50 1.232 mg/kg  
SKN RBT LC50>2000 mg/kg

**Routes of exposure:** Refer to Section 4 for routes of exposure and corresponding symptoms.

## 12. ECOLOGICAL INFORMATION

**Hazardous ingredients:**

UREA PEROXIDE  
BACTERIA 48H EC50>10000 mg/l  
DAPHNIA 48H EC50 2.4 mg/l  
FISH 96H LC50 16.4 mg/l

**Mobility:** Readily absorbed into soil.  
**Persistence & degradability:** Biodegradable  
**Bioaccumulative potential:** No bioaccumulation potential  
**Other adverse effects:** Negligible ecotoxicity

## 13. DISPOSAL CONSIDERATIONS

**Disposal of packaging:** Dispose of as normal industrial waste.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## 14. TRANSPORT INFORMATION

**UN Identification No:** Not applicable  
**UN proper shipping name:** Not applicable  
**Transport hazard class(es):** Not classified as dangerous in transport regulations  
**Packaging groups:** Not applicable  
**Special precautions for user:** Not applicable

**15. REGULATORY INFORMATION**

**International regulations:**

Canadian Environmental Protection Act:	Not applicable
WHMS:	Not applicable
European Inventory of Existing Chemicals (EINECS):	Not applicable

**National regulations:**

Toxic Substances Control Act (TSCA):	Not applicable
Technical instructions (air):	Class III 9.0%

**16. FURTHER INFORMATION**

The data given above covers exclusively the safety requirements of the product(s) and is based on our current knowledge and experience. It does not signify any warranty with regards to the products properties. This product is only supplied for specific uses in dentistry and must be used in accordance with the directions for use.