

# Material Safety Data Sheet

## Ziroxide® - Dental Prophylaxis Paste with NAF

MSDS, Rev. 3

Last revised: 30-January-2015

Approved for Use: 17-January-2006

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### 1. Chemical product and company identification

**Product Name:** Ziroxide® - Dental Prophylaxis Paste with NAF

Premier® Dental Products Company  
1710 Romano Drive  
Plymouth Meeting, PA 19462  
PH: 610-239-6053 FAX 610-239-6171

### 2. Composition / Information on Ingredients

**Hazardous ingredients:**

<b>Chemical Name:</b>	<b>CAS Number:</b>	
Glycerol	56-81-5	[Xi] R36/38
Sodium Fluoride	7681-49-4	EINECS: 231-667-8 [T] R25; [-] R32; [Xi] R36/38

### 3. Hazards Identification

**Main Hazard:** Contact with acids liberates very toxic gas. Irritating to eyes and skin.

### 4. First Aid Measures

**Symptoms:**

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

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Action:**

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water.

**Inhalation:** Consult a doctor.

### 5. Fire-Fighting Measures

**Extinguishing Media:** Suitable extinguishing media for the surrounding fire should be used.

**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:** Refer to section 8 of SDS for personal protection details.

**Environmental Precautions:** Do not discharge into drains or rivers.

**Clean-up Procedures:** Wash the spillage site with large amounts of water.

### 7. Handling and Storage

**Handling Requirements:** Avoid the formation or spread of dust in the air.

**Storage Conditions:** Store in a cool, well ventilated area.

### 8. Exposure Controls / Personal Protection

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

**Respiratory Protection:** Respiratory protection device with particle filter.

**Hand Protection:** Protective gloves.

**Eye Protection:** Safety glasses. Ensure eye bath is to hand.

**Skin Protection:** Protective clothing.

## 9. Physical and Chemical Properties

**State:** Paste

**Odour:** Characteristic odour

## 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. Toxicological Information

- Glycerol  
IHL RAT LC50 > 4 mg/kg  
ORL RAT LD50 12600 mg/kg  
SKN RBT LD50 > 10000 mg/kg
- Sodium Fluoride  
ORL MUS LD50 57 mg/kg  
ORL RAT LD50 52 mg/kg  
SCU RAT LD50 175 mg/kg

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

## 12. Ecological Information

**Hazardous Ingredients:** Glycerol

FISH 96H LC50 > 100100 mg/l

FISH FATHEAD MINNOWS 96H LC50 44000 mg/l

FISH GOLDFISH 96H LC50 5000 mg/l

**Persistence and Degradability:** Biodegradable.

**Bioaccumulative Potential:** No bioaccumulation potential.

**Other Adverse Effects:** Negligible ecotoxicity.

## 13. Disposal Considerations:

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

## 14. Transport Information:

**ADR/RID**

**UN no: -**

**IMDG/IMO**

**IATA/ICAO**

## 15. Regulatory Information:

**Hazard Symbols:** Irritant



**Risk Phrases:** R32: Contact with acids liberates very toxic gas.

R36/38: Irritating to eyes and skin.

## Premier® Dental Products Company

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

### 16. Other Information

**Risk phrases used in s.2:** R36/38: Irritating to eyes and skin.  
R25: Toxic if swallowed.  
R32: Contact with acids liberates very toxic gas.

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