

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

075862784

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

075862107 075862156 075862297 075862305 075862313 075862776

# Material Safety Data Sheet

## Ziroxide® - Dental Prophylaxis Paste with NAF

MSDS, Rev. 3

Last revised: 14-February-2012

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.

Premier® Dental Products Company

**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/CAO**

## 15. Regulatory Information:

**Hazard Symbols:** Irritant



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

R36/38: Irritating to eyes and skin.

**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.

This information is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, or the results to be obtained from use thereof. In no event will the manufacturer or distributor be responsible for damages of any nature whatsoever resulting from the use of, or reliance upon this information. General properties described herein are to be regarded as guides and are not guaranteed for all samples.

021253 Rev2

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# **SAFETY DATA SHEET**

## **Ziroxide<sup>®</sup> Prophylaxis Paste with NaF**

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### **1. Identification**

**Product Identifier:** 9007172, 9007173, 9007174, 9007175

**Product Name:** Ziroxide<sup>®</sup> Prophylaxis Paste with NaF

Premier<sup>®</sup> Dental Products Company  
1710 Romano Drive  
Plymouth Meeting, PA 19462  
PH: 610-239-6000 FAX 610-239-6171  
Emergency Phone: 610-239-6000

**Recommended Use:** For cleaning and polishing procedures as part of a professionally administered dental prophylaxis treatment.

**Restrictions for Use:** For professional use only.

### **2. Hazards Identification**

**Classification of the chemical**

Acute Toxicity, oral – Category 4

**Hazard pictogram(s)** Exclamation Mark



**Signal word:** Warning

**Hazard Statements:**

H319 Causes serious eye irritation

H315 Causes skin irritation

H302 Harmful if swallowed

### **3. Composition / Information on Ingredients**

<b>Chemical Name:</b>	<b>CAS Number:</b>	<b>WT%:</b>	<b>Classifications:</b>
Glycerol 30-50%	56-81-5	30-50%	Skin Irritant Cat 2 Eye Irritant Cat 2
Sodium Fluoride 1-10%	7681-49-4	1-10%	Skin Irritant Cat 2 Eye Irritant Cat 2 Acute Oral Toxicity Cat 3

### **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

<b>Extinguishing Media:</b>	Suitable extinguishing media for the surrounding fire should be used.
<b>Exposure hazards:</b>	In combustion emits toxic fumes.
<b>Protection of fire-fighters:</b>	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 6. Accidental Release Measures

<b>Personal Precautions:</b>	Refer to section 8 of SDS for personal protection details.
<b>Environmental Precautions:</b>	Do not discharge into drains or rivers.
<b>Clean-up Procedures:</b>	Wash the spillage site with large amounts of water.

## 7. Handling and Storage

<b>Handling Requirements:</b>	Avoid the formation or spread of dust in the air.
<b>Storage Conditions:</b>	Store in a cool, well ventilated area.

## 8. Exposure Controls / Personal Protection

<b>Engineering Measures:</b>	Ensure there is sufficient ventilation of the area.
<b>Respiratory Protection:</b>	Respiratory protection device with particle filter.
<b>Hand Protection:</b>	Protective gloves.
<b>Eye Protection:</b>	Safety glasses. Ensure eye bath is to hand.
<b>Skin Protection:</b>	Protective clothing.

## 9. Physical and Chemical Properties

<b>State:</b>	Paste
<b>Odour:</b>	Characteristic odour

## 10. Stability and Reactivity

<b>Stability:</b>	Stable under normal conditions.
<b>Conditions to Avoid:</b>	Heat
<b>Materials to Avoid:</b>	Strong oxidising agents. Strong acids.
<b>Hazardous Decomposition Products:</b>	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

<b>Hazardous Ingredients:</b>	Glycerol FISH 96H LC50 > 100100 mg/l FISH FATHEAD MINNOWS 96H LC50 44000 mg/l FISH GOLDFISH 96H LC50 5000 mg/l
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<b>Persistence and Degradability:</b>	Biodegradable.
<b>Bioaccumulative Potential:</b>	No bioaccumulation potential.
<b>Other Adverse Effects:</b>	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:

**Not regulated**

**ADR/RID**  
**UN no: - IMDG/IMO**  
**IATA/ICAO**

## 15. Regulatory Information:

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

### **Hazard Statements:**

H319 Causes serious eye irritation  
H315 Causes skin irritation  
H302 Harmful if swallowed  
H032: Contact with acids liberates very toxic gas

### **Precautionary phrases:**

P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P330 Rinse mouth  
P280 Wear protective gloves, protective clothing, eye protections and face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical attention.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P332+P313 If skin irritation occurs: Get medical attention.  
P362 Take off contaminated clothing and wash before reuse.  
P330 Rinse mouth.  
P501 Dispose of contents and container in accordance with local and national regulations.

**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

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. 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.

**Premier's revision date:** 2-4-2015

**Revision number:** 4

**Revision summary:** This SDS replaces the January 30, 2015.

**Revised:** Section1, Section2, Section 3, Section14, Section 15 and Section 16.

**Supplier's date:** 01-30-2015

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This SDS is offered solely for your information, consideration and investigation. This SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. Premier Dental Products Company provides no warranties; either expressed or implied, and assumes no responsibility for the accuracy or completeness of data contained herein. Premier Dental Products Company urges persons receiving this information to make their own determination as to the information suitability for their particular application.

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011553 Rev4