

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard.
1 CFR 1910.1200.—Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration

(Non-Mandatory Form)

Form Approved

OMB No. 1218-0072

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ENTITY (As Used on Label and Log)

Ziroxide or Prophydент (with Fluoride) Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Medical Products Laboratories	Emergency Telephone Number 215-677-2700
Address (Number, Street, City, State, and ZIP Code) 9990 Global Rd. Phila., Pa. 19115	Telephone Number for Information 677-2700
	Date Prepared S-5-
	Signature of Preparer (optional)

Section II -- Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limit(s) Recommended	IDL/TLV
Sodium Fluoride	0.5 ppm	0.5ppm	N/I	
Saccharin Sodium	N/I	N/T	N/I	
Phosphoric Acid	1 mg/m ³	1mg/m ³	N/I	
Sodium Hydroxide	2 mg/m ³	2mg/m ³	N/I	

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	N/A
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water

insoluble

Appearance and Odor

mint flavored prophylactic paste

Section IV — Fire and Explosion Hazard Data

Flam. Point (Method Used) N/A	Flammable Limits Nonflammable	LEL N/A	UEL N/A
Extinguishing Media			

CO₂, water spray or dry chemical.

Special Fire Fighting Procedures

None

usual Fire and Explosion Hazards

None

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	None under anticipated normal use.

Incompatibility (Materials to Avoid)**None under anticipated normal use.****Hazardous Decomposition or Byproducts****None**

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	None

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? **yes** Skin? **yes** **inestion?** **yes**

Health Hazards (Acute and Chronic) **Poisonous when taken internally. Long term exposure can lead to muscular weakness, fluorosis, dermatitis.**

Carcinogenicity: NTP? **N/A** IARC Monographs? **N/A** OSHA Required? **N/A**

Signs and Symptoms of Exposure **Nausea and vomiting. Abdominal distress. Mild irritation to skin and eyes.**

Medical Conditions Generally Aggravated by Exposure **Hypersensitivity to the material.**

Emergency and First Aid Procedures **If swallowed, induce vomiting using one tablespoon ipecac or large quantities of milk. Get medical attention. In case of contact, flush with large quantities of running water.**

Wash with plenty of water, MOP.

Waste Disposal Method **Follow applicable federal, state and local regulations.**

Precautions to Be Taken in Handling and Storing **Wash hands with soap and water after handling. container tightly closed.**

Other Precautions **Keep out of reach of children.**

Section VIII — Control Measures**Respiratory Protection (Society Type)****None required under normal anticipated use.**

Ventilation	Local Exhaust	Room ventilation	Special	None
	Mechanical (General)	N/A	Other	None

Protective Gloves	Plastic gloves recommended.	Eye Protection	N/A
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Other Protective Clothing or Equipment	None
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Wash/Hygenic Practices	Wash hands with soap and water after each handling.
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Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	none under anticipated normal use.

Incompatibility (Materials to Avoid)

strong oxidizing agents

Hazardous Decomposition or Byproducts

emits toxic fumes when heated to decomposition.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	none

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	yes	yes	yes

Health Hazards (Acute and Chronic)

swallowing large quantities causes numbness, nausea, vomiting. Irritating to eyes.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	N/A	N/A	N/A

Signs and Symptoms of Exposure	numbness in nose and throat, mild irritation.
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Medical Conditions

Generally Aggravated by Exposure hypersensitivity to the material.

Emergency and First Aid Procedures	In case of eye and skin contact, flush with large quantities of water. In case of accidental swallowing, get medical attention immediately.
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Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled	Mop or wipe off and dispose off the material in D.O.T. approved waste container. Comply with all applicable government regulations.
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Waste Disposal Method	Follow applicable federal, state, local government regulations.
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Precautions to Be Taken in Handling and Storing	Wash hands with soap and water after each handling. Keep container tightly closed away from heat.
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Other Precautions	Keep out of reach of children.
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Section VIII — Control Measures

Respiratory Protection (Specify Type)

Ventilation	Local Exhaust	none under normal anticipated use	
	Room ventilation	Special	none
	Mechanical (General)	None	Other N/A

Protective Gloves	Recommended	Eye Protection	Not required.
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Other Protective Clothing or Equipment	N/A
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Work/Hygiene Practices	Wash hands with soap and water after each handling.
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