

## **SAFETY DATA SHEETS**

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

077805138

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

077805120 077805146 077805153 077805161 077805179 077805427 077805435 077805443 077805450 077805468

Patterson Item Number: 77632979  
Associated Item Numbers: 77632979,77805120  
Actio MSDS ID: 802849  
Product Name: Kolorz Sixty Second Fluoride Gel

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SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

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Product Name:

Kolorz Sixty Second Fluoride Gel

Manufacturer Name:

Zenith Dental

Address:

242 South Dean Street Englewood, NJ 07631 USA

Emergency tel:

Call Infotrac at 800-535-5053

Business Phone:

201-894-5500

Business Fax:

201-894-0213

Revision Date:

10/25/06

Revision No:

1 Enhancing dentistry with education and technology«

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SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS

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Ingredient Name CAS# Ingredient Percent

SODIUM FLUORIDE 7681-49-4 1-10%

EINECS: 231-667-8

Hazardous: Yes

EC Index Number: 1

Hazard Symbols: [T], [-], [Xi]

Risk Phrases: R25; R32; R36/38

ORTHOPHOSPHORIC ACID 7664-38-2 1-10%

EINECS: 231-633-2

Hazardous: Yes

EC Index Number: 1

Hazard Symbols: [C]

Risk Phrases: R34

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SECTION 3 : HAZARDS IDENTIFICATION

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:

(N/A)

Potential Health Effects:

Main hazards:

Contact with acids liberates very toxic gas.

Applies to All Ingredients :

Signs/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.

\*\*\*\*\*  
SECTION 4 : FIRST AID MEASURES  
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:  
(N/A)

Eye Contact:  
(SYMPTOMS):  
There may be irritation and redness.  
(ACTION):  
Bathe the eye with running water for 15 minutes.

Skin Contact:  
(SYMPTOMS):  
There may be mild irritation at the site of contact.  
(ACTION):  
Wash immediately with plenty of soap and water.

Inhalation:  
(SYMPTOMS):  
There may be irritation of the throat with a feeling of tightness in the chest.  
(ACTION):  
Consult a doctor.

Ingestion:  
(SYMPTOMS):  
There may be irritation of the throat.  
(ACTION):  
Wash out mouth with water.

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SECTION 5 : FIRE FIGHTING MEASURES  
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Extinguishing Media:  
Suitable extinguishing media for the surrounding fire should be used.

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

Exposure hazards:  
In combustion emits toxic fumes.

\*\*\*\*\*  
SECTION 6 : ACCIDENTAL RELEASE MEASURES  
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Personal Precautions:  
Refer to section 8 of SDS for personal protection details.

Spill Cleanup Measures:  
Wash the spillage site with large amounts of water.

Environmental Precautions:  
Do not discharge into drains or rivers.

\*\*\*\*\*  
SECTION 7 : HANDLING and STORAGE  
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Handling:

Avoid the formation or spread of dust in the air.

Storage:

Conditions:

Store in cool, well ventilated area.

Suitable packaging:

Must only be kept in original packaging.

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## SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

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Skin Protection Description:

Protective clothing.

Hand Protection Description:

Protective gloves.

Eye/Face Protection:

Safety glasses. Ensure eye bath is to hand.

Respiratory Protection:

Respiratory protective device with particle filter.

Exposure Limits:

Hazardous ingredients:

ORTHOPHOSPHORIC ACID...100% TWA 1 mg/m3 STEL 2 mg/m3

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## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

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Odor:

Characteristic odour

Physical State:

Paste

Solubility:

In water:

Soluble

Evaporation Point:

Negligible

Viscosity:

Viscous

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## SECTION 10 : STABILITY and REACTIVITY

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Chemical Stability:

Stable under normal conditions.

Conditions to Avoid:

Heat.

Incompatibilities with Other Materials to avoid:

Strong oxidising agents. Strong acids.

Materials:

Hazardous Decomposition Products:

In combustion emits toxic fumes.

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## SECTION 11 : TOXICOLOGICAL INFORMATION

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Applies to all ingredients:

Routes of Exposure:

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

Chronic Effects:

Danger of cumulative effects if swallowed.

SODIUM FLUORIDE :

Acute Health Effects:

SCU RAT LD50 175 mg/kg

Ingestion Effects:

ORL MUS LD50 57 mg/kg ORL RAT LD50 52 mg/kg

ORTHOPHOSPHORIC ACID :

Acute Health Effects:

ORTHOPHOSPHORIC ACID...100%

Ingestion Effects:

ORL RAT LD50 1530 mg/kg

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## SECTION 12 : ECOLOGICAL INFORMATION

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(N/A)

Bioaccumulation:

Potential:

No bioaccumulation potential.

Biodegradation:

Persistence and degradability:

Biodegradable.

Other:

Other adverse effects:

Negligible ecotoxicity.

Mobility:

Non-volatile.

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## SECTION 13 : DISPOSAL CONSIDERATIONS

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Waste Disposal:

NB:

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

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## SECTION 14 : TRANSPORT INFORMATION

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RID/ADR Shipping Name:

NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS. (SODIUM FLUORIDE, 1.23%)

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## SECTION 15 : REGULATORY INFORMATION

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Applies to all ingredients:

European Community This safety data sheet is prepared in accordance with EC Directive

Chemical Inventory Status:

2001/58/EC.

Risk Phrases:

R32:

Contact with acids liberates very toxic gas.

R25:

Toxic if swallowed.

R36/38:

, Irritating to eyes and skin.

R34:

Causes burns.

Safety Phrase:

S7:

Keep container tightly closed.

Hazard symbols:

No significant hazard.

Precautionary phrases:

Restricted to professional users.

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.

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#### SECTION 16 : ADDITIONAL INFORMATION

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MSDS Revision Date:

10/25/06

Revision No:

1

Disclaimer:

Legal:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Other information:

This safety data sheet is prepared in accordance with EC Directive 2001/58/EC.

Risk phrases used in s.2:

R25:

Toxic if swallowed.

R32:

Contact with acids liberates very toxic gas.

R36/38:

Irritating to eyes and skin.

R34:

Causes burns.

**SAFETY DATA SHEET**  
**KOLORZ SIXTY SECOND 1.23% FLUORIDE GEL**

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395864

**SECTION 1: IDENTIFICATION**

**Product Identifier**

Product Name: KOLORZ SIXTY SECOND 1.23% FLUORIDE GEL

**Other Means of Identification**

Product Item Code(s): 777301, 777302, 777303, 777304, 777305

**Recommended use of the chemical and restriction on use**

Recommended Use: Topical Fluoride Treatment

Restrictions on Use: For use by dental professional only. Do not swallow

**Name, address, telephone number of the supplier:**

Company Address: DMG America, LLC  
242 South Dean St.  
Englewood, NJ 07631  
USA

Information Telephone Number: 201-894-5500

**Emergency Telephone Number:** 1-800-535-5053 (Infotrac)

**SECTION 2: HAZARD(S) IDENTIFICATION**

**GHS Classification**

- Acute Toxicity category 3.
- Eye Irritant category 2.
- Skin Irritation category 2.

**Signal Word:** Warning

**Hazard Statements:**

H302: Harmful if swallowed.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

**Pictograms:**



Harmful  
Irritant

**Precautionary Statements:**

P102: Keep out of the reach of children.

P233: Keep container tightly closed.

P264: Wash hands thoroughly after handling.

**Hazards not otherwise classified:** None

**Unknown Acute Toxicity:** No ingredient with unknown toxicity.

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	CAS No./ EINECS No.	Percent (By Weight)
Sodium Fluoride	7681-49-4/231-667-8	2-3%
Phosphoric Acid	7664-38-2/231-633-2	1-3%

**SECTION 4: FIRST AID MEASURES**

**Eye Contact:** Flush eyes with large quantities of water for at least 15 minutes, holding the eyelids apart. Get medical attention if irritation develops or persists.

**Skin Contact:** Wash skin with plenty of soap and water. Get medical attention if irritation develops.

**Ingestion:** Do not induce vomiting. If conscious, rinse out mouth with water and give copious amounts of milk, or water if milk is not available. Never give anything by mouth to an unconscious person. If symptoms persist, get immediate medical attention.

**Inhalation:** Move victim to fresh air. If breathing is difficult have qualified personnel administer oxygen. Get medical attention if irritation persists.

**Most Important symptoms/effects, acute and delayed:**

May cause eye and skin irritation. May be harmful if swallowed.

**Indication of immediate medical attention and special treatment needed:**

No information available.

**SECTION 5: FIRE FIGHTING MEASURES**

**Extinguishing Media:** Use media appropriate for surrounding fire.

**Specific hazards arising from the chemical:** None known.

**Special Protective equipment and precautions for firefighters:** Firefighters should wear full emergency equipment and positive pressure self-contained breathing apparatus.

**Unusual Fire/Explosion Hazards:** None under normal conditions of use.

**Known or Anticipated Hazardous Products of Combustion:** Carbon monoxide, carbon dioxide and toxic fumes.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:** Avoid contact with eyes, skin and clothing. Use appropriate protective equipment as described in Section 8.

**Environmental Precautions:** Prevent spill from entering waterways.

**Methods and materials for containment and cleaning up:** Wipe up or collect using an inert absorbent material and place in appropriate containers for disposal. Rinse spill area with water. Prevent spill from entering sewers and water courses. Report releases as required by local, state and federal authorities.



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**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling:** Avoid contact with the eyes, skin and clothing. Wear protective clothing and equipment as described in Section 8. Wash thoroughly with soap and water after handling. Keep containers tightly closed when not in use.

Do not reuse containers. Empty containers retain product residues that can be hazardous. Follow all safety precautions when handling empty containers.

**Conditions for safe storage including any incompatibilities:** Store between 20-25°C (68-77°F). Keep from freezing. Keep container tightly closed. Keep out of reach of children.

**SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**Exposure Control Parameters:** The parameters are not provided for the product itself. They are provided for the ingredients listed below:

**Occupational Exposure Limits:**

Sodium Fluoride (as Fluoride)	2.5mg/m <sup>3</sup> TWA ACGIH 2.5mg/ m <sup>3</sup> TWA OSHA
Phosphoric Acid	1mg/m <sup>3</sup> TLV TWA ACGIH 1mg/m <sup>3</sup> OSHA PEL

**Appropriate Engineering Controls:** No special ventilation normally required. For bulk handling, use ventilation that is adequate to maintain exposure levels below the occupational exposure limits.

**Individual Protection Measures:**

**Personal Protective Equipment**

**Eye Protection:** Safety glasses recommended for bulk handling. None required for normal use.

**Skin Protection:** Wear impervious gloves for bulk handling. None required for normal use.

**Respiratory Protection:** None should be needed for normal use. If the exposure limits are exceeded an approved respirator with particulate cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with applicable regulations and good industrial hygiene practice.

**Other Protective Clothing or Equipment:** None needed for normal use. Impervious clothing as needed to avoid contamination of personal clothing for bulk handling.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Gel of various colors  
**Odor:** Characteristic  
**Odor Threshold:** Not available  
**pH:** 3.5-6.0  
**Melting Point:** Not applicable  
**Freezing Point:** Not available  
**Boiling Point/Range:** Not available  
**Flashpoint:** Not available  
**Evaporation Rate:** Not available  
**Flammability (solid, gas):** Not available  
**Upper/lower flammability or explosive limits:**  
LEL: Not available  
UEL: Not available  
**Vapor Pressure:** Not available  
**Vapor Density:** Not available  
**Relative Density:** Not available  
**Solubility in water:** Partial soluble  
**Partition coefficient**  
**(n-octanol/water):** Not available  
**Autoignition Temperature:** Not available  
**Decomposition Temperature:** Not available  
**Viscosity:** Not available

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity:** None known  
**Chemical Stability:** Stable  
**Possibility of Hazardous Reactions:** None under normal conditions of use  
**Conditions to Avoid:** Heat  
**Incompatible Materials:** Avoid oxidizing agents and strong acids.  
**Hazardous Decomposition Products:** May produce carbon monoxide, carbon dioxide and toxic fumes.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Information on Toxicological Effects**

Toxicological data not available for the product itself. The data provided are for the ingredients listed below.

Sodium Fluoride: Oral rat LD<sub>50</sub>: 52 mg/kg  
Phosphoric Acid: Oral rat LD<sub>50</sub>: 1530 mg/kg

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**Likely Routes of Exposure and the Symptoms related to the Physical, Chemical and Toxicological**

**Characteristics:**

**Eyes:** Direct contact causes eye irritation.

**Skin:** Prolonged skin contact may cause irritation.

**Inhalation:** No adverse effects expected.

**Ingestion:** May cause salivation, nausea, vomiting, abdominal pain, headaches, or dizziness.

**Chronic Health Effects:** Not expected under normal conditions of use. Repeated overexposure to Sodium Fluoride may cause fluorosis.

**Mutagenicity:** No data available.

**Carcinogenicity:** Not known to be as carcinogen or potential carcinogen by NTP (National Toxicological Program), IARC (International Agency for the Research of Cancer) or OSHA (Occupational Safety and Health Administration).

**Medical Conditions Aggravated by Exposure:** Individuals with pre-existing skin disease may be at increased risk from exposure.

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity**

Ecological data not available for the product itself. The data provided are for the ingredients listed below:

Sodium Fluoride: 96 hrs. LC<sub>50</sub> fish: >100 mg/L

**Persistence and degradability**

No information available

**Bioaccumulative Potential:** No data available

**Mobility in soil:**

No data available

**Other adverse effects:**

No information available

**SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose in accordance with national and local regulations.

**SECTION 14: TRANSPORT INFORMATION**

**DOT Shipping Name:** Not Regulated

**DOT Hazard Class:** N/A

**UN Number:** N/A

**DOT Labels Required (49CFR172.101):** N/A

**IATA Shipping Name:** Not Regulated

**IATA Hazard Class:** N/A

**IMDG Label:** N/A