

# SAFETY DATA SHEET

## KOLORZ ETCH GEL

Page 1 of 5  
Issued: 09/05/2014  
Revision No. 0  
395788

### SECTION 1: IDENTIFICATION

Product Name: KOLORZ ETCH GEL

Product Item Code(s): 003-31004

Recommended Use: Dental Etching.

Restrictions on Use: For professional dental use only.

Company Name: 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

#### Emergency Overview

- Corrosive mixture. H-314.
- Causes eye and skin burns.
- Ingestion may cause burns or irritation to the mouth, throat or stomach.



Corrosion

#### **Potential Health Effects:**

**Eyes:** Direct contact may cause irritation or burns, eye damage.

**Skin:** Skin contact may cause irritation or burns.

**Inhalation:** No adverse effects expected under normal conditions of use. Mist or vapor inhalation may cause irritation to the nose, throat and upper respiratory tract.

**Ingestion:** May cause burn or irritation to the mouth, throat or stomach.

**Chronic Health Effects:** Not expected under normal conditions of use.

**Mutagenicity:** No data available.

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

EU Preparation Classification (1272/2008/CLP): Corrosive.

# SAFETY DATA SHEET

## KOLORZ ETCH GEL

Page 2 of 5  
Issued: 09/05/2014  
Revision No. 0  
395788

OSHA Classification: Regulated as a medical device. Hazardous (Corrosive).

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No./ EINECS No.	Percent	Substance Classification (67/548/EEC) and 1272/2008/CLP
Phosphoric Acid	7664-38-2/231-633-2	34-44%	[C]R34, H-314

See Section 16 for further information on R and H Phrases.

### 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 amount of water. 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.

### SECTION 5: FIRE FIGHTING MEASURES

**Extinguishing Media:** Use media appropriate for surrounding fire. Use water spray to cool containers.

**Firefighting Procedures:** Firefighters should wear full emergency equipment and positive pressure self-contained breathing apparatus.

**Unusual Fire/Explosion Hazards:** None known.

**Known or Anticipated Hazardous Products of Combustion:** Oxides and toxic fumes.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Accidental Release Measures:** Wear appropriate protective clothing as described in Section 8. 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.

**Personal Precautions:** Avoid contact with eyes and skin.

**Environmental Precautions:** None needed.

# SAFETY DATA SHEET

## KOLORZ ETCH GEL

Page 3 of 5  
Issued: 09/05/2014  
Revision No. 0  
395788

### SECTION 7: HANDLING AND STORAGE

**Handling:** Avoid contact with the eyes and prolonged skin contact. Wear protective clothing and equipment as described in Section 8. Wash thoroughly with plenty of water after handling. Keep containers closed when not in use.

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

**Storage:** Store in a cool, dry, well-ventilated area. Do not store above 25°C (77°F). Keep container tightly closed. Keep out of reach of children.

### SECTION 8: EXPOSURE CONTROL/ PERSONAL PROTECTION

#### **Occupational Exposure Limits:**

Phosphoric Acid	1 mg/m <sup>3</sup> ACGIH TLV TWA 1 mg/m <sup>3</sup> OSHA PEL TWA
-----------------	---

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

#### **Personal Protective Equipment:**

**Eye Protection:** Safety glasses recommended for bulk handling.

**Skin Protection:** Wear impervious gloves for bulk handling.

**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.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Blue gel. Odor is characteristic of the flavor.

**Boiling Point:** Not available

**pH:** Not available

**Melting Point:** Not available

**Freezing Point:** Not available

**Evaporation Rate:** Not available

**Specific Gravity:** 1.09

**Viscosity:** Not available

**Solubility in Water:** Soluble

**% Volatile by Volume:** Not available

**Vapor Pressure (mmHg):** Not available

**Vapor Density:** Not available

**Flashpoint:** Not applicable

**SAFETY DATA SHEET**  
**KOLORZ ETCH GEL**

Page 4 of 5  
Issued: 09/05/2014  
Revision No. 0  
395788

**Flammable Limits in Air:** LEL: N/A  
UEL: N/A

**Autoignition Temperature:** Not applicable

**SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable.

**Conditions to Avoid (stability):** None known.

**Incompatibility with Other Materials:** Avoid oxidizing agents, metals and strong alkalis.

**Hazardous Decomposition Products:** May produce oxides, and toxic fumes.

**Hazardous Polymerization:** Will not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Toxicological Data:**

Phosphoric acid: Oral Rat LD<sub>50</sub>: 1530 mg/kg

**SECTION 12: ECOLOGICAL INFORMATION**

No data available for the product itself. Bioaccumulation is not expected to be significant.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose in accordance with national and local regulations.

**SECTION 14: TRANSPORT INFORMATION**

**DOT Shipping Name:** Phosphoric acid solution, 8, III

**DOT Hazard Class:** 8

**UN Number:** 1805

**DOT Labels Required (49CFR172.101):** UN 1805, Phosphoric acid solution, 8, III

**IATA Shipping Name:** Phosphoric acid solution, 8, III

**IATA Hazard Class:** 8

**UN Number:** 1805

**IATA Hazard Labels Required:**

**IMDG Shipping Name:** Phosphoric acid solution.

**IMDG Class:** 8

**UN Number:** 1805

**IMDG Label:** Phosphoric acid solution.

Note: Limited quantity exception may apply for the product as medical device.

