

Dentin Desensitizer

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name: D/Sense®Crystal™ Dentin Desensitizer Gel REF 310106

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**SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

Product Contents: Solution of Potassium Binoxalate and Nitric Acid in water.

Hazardous Ingredients: Nitric Acid

**SECTION 3. HAZARDS IDENTIFICATION**

For potential health hazards: SEE Section 11 below. No other significant hazards to man or the environment are reasonably foreseen. Low pH (acidic character) of the material.

**SECTION 4. FIRST AID MEASURES**

Inhalation: No harm anticipated.

Skin Contact: Wash promptly with copious amounts of water.

Eye Contact: Wash promptly with copious amounts of water.

Ingestion: Serve mildly alkaline remedies - solution of sodium bicarbonate, liquid anti-acid medications, etc.

**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable Extinguishing Media: Not applicable

Extinguishing Media which should not be used: Not applicable

Special exposure hazards from combustion products: Not applicable

Special protective equipment for fire fighters: Not applicable

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions: Avoid contact of skin or eyes. Wash affected areas immediately.

Environmental Precautions: Neutralize spills before disposed.

Methods for Cleaning Up: Wipe out or wash out after neutralizing.

**SECTION 7. HANDLING AND STORAGE**

Handling Precautions: Avoid contact with skin, eyes, and clothing.

Safe Storage Conditions: Store at moderate temperatures in corrosion resistant containers, preferably ceramic. OTHER

RESTRICTIONS OR RECOMMENDATIONS: Wear rubber aprons, goggles, and rubber gloves when handling large quantities of the material.

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

Respiratory Protection & Ventilation: None required.

Protective Clothing or Equipment: Impermeable aprons, goggles, and gloves.

Unusual Work/Hygienic Practices: Applicable to acidic and mildly oxidizing materials.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Clear liquid; water white to light yellow

pH: <1

Melting Point/Range: ~ Ca 0°C

Auto-Ignition Temperature: Not applicable

Explosive Limits in Air: Not applicable

Vapor Pressure (mm Hg): approx. 760 at 100°C

Specific Gravity (H2O =1): Slightly over 1

Reactivity in Water: None

Odor: Odorless

Boiling Point/Range: ~ 100°C at 760 mm Hg

Flash Point: Not applicable

Flammability: Not applicable

Oxidizing Properties: Slight

Vapor Density (Air=1): <1

Solubility in Water: Soluble

Other Data: None

## **SECTION 10. STABILITY AND REACTIVITY**

Stability: Stable

Conditions of Instability: Stable under perceivable conditions.

Incompatibility with Various Substances: Materials susceptible to oxidizing and acidic environments.

Hazardous Decomposition Products: None known.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Not applicable

## **SECTION 11. TOXICOLOGICAL INFORMATION**

Potential Acute Health Effects: Damage to skin and eyes.

Potential Chronic Health Effects: None known.

Signs and Symptoms of Exposure: Skin and eye irritation, skin discoloration.

Medical Conditions Generally Aggravated by Exposure: None known.

Carcinogenic or Potential Carcinogenic Effects: None anticipated.

Other Potential Health Effects: None known.

## **SECTION 12. ECOLOGICAL INFORMATION**

None known to be applicable to the subject product or similar materials.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

Waste Disposal: Dispose in accordance with the local, state, and federal regulations.

## **SECTION 14. TRANSPORT INFORMATION**

UN Classification: UN/ID 2031

Identification: Nitric Acid, other than red fuming, with 20% or less Nitric Acid.

Special Provisions for Transport: Applicable to acidic materials.

## **SECTION 15. REGULATORY INFORMATION**

U.S. FDA Dental Device: Class IIa medical device      EC Medical Device Directive:

## **SECTION 16. OTHER INFORMATION**

Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources that we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or method of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. If the product is used as a component in another product or used in a way other than recommended by the Company, this MSDS information may not be applicable.



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