

**SAFETY DATA SHEET**

**Nova Ceramic Spray Glaze**

Date: March 23, 2007  
Prepared by Dennis Belau

Former date: New  
Reviewed by Phillip Pitts

**1. IDENTIFICATION OF THE CHEMICAL AND OF MANUFACTURER, IMPORTER OR OTHER UNDERTAKING**

**1.1 Identification of the substance or preparation**

Trade name: Nova Ceramic Spray Glaze  
Code of the preparation: CE0510

**1.2 Use of the chemical**

- 1.2.1 The intended use of this aerosol is in dental maintenance.
- 1.2.2 Standard industrial classification: 3291
- 1.2.3 Use category: Ceramic powder
- 1.2.4 The chemical is for professional use only.
- 1.2.5 The chemical is not used by the general public.

**1.3 Identification of the manufacture, importer or other undertaking**

**1.3.1 Manufacturer, importer, or other undertaking**

Enamelite™ LLC  
1753B Alpine Drive  
Clarksville, TN, USA 37040

**1.3.2 Supplier information:**

**1.3.3 Information on foreign manufacture**

Enamelite™ LLC  
1753B Alpine Drive  
Clarksville, TN, USA 37040  
931-647-7171 Telephone  
931-647-1198 Fax

**1.4 Emergency telephone**

**1.4.1 FOR CHEMICAL EMERGENCY OR INGESTION, CALL INFOTRAC (USA) 1-800-535-5053 OR INTERNATIONAL CALL COLLECT 1-352-323-3500**

**2. COMPOSITION AND INFORMATION ON INGREDIENTS**

**2.1 Hazardous Ingredients**

2.1.1	2.1.2	2.1.3	2.1.4	
CAS #	EINECS No	Name	%	Warning/ Risk phrases
1332-58-7	310-194-1	Kaolin	20-24	R20/21, R36/37/38
67-63-0	200-661-7	Isopropyl alcohol	31-35	R11, R36/37/38
75-28-5	200-857-2	Isobutene	45-49	R12, R36/37/38

- 2.1.5 Confidential ingredients: None.
- 2.1.6 Substances not dangerous listed as confidential: None
- 2.1.7 Other information: None

**3. HAZARDOUS IDENTIFICATION**

**Human**

Keep children away form this product. If ingested may cause irritation to the mucous membranes, produce a headache and drowsiness and irritate the eyes. Prolonged exposure to product may cause dryness and cracking of the skin. Product should not cause problems upon ingestions, rinse mouth out with one to two glasses of water. Avoid contact with strong oxidizing agents, bases, amines and aldehydes.

**Safety**

Aerosol is classified as flammable. Avoid the use of product around open flames and be aware of static discharge. Avoid prolonged exposure to sunlight.

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### Ecological

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Environmentally sound, no ozone depleting chemicals.

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#### 4. **FIRST AID MEASURES**

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- 4.1 Special instructions for ingestion wash out mouth with one to two glasses of water; do not induce vomiting; seek medical attention.
- 4.2 In the case of exposure to the eyes, wash with water for 15 minutes, if irritation persists, seek medical attention.
- 4.3 Inhalation exposure, remove to fresh air, may cause headaches, drowsiness. If trouble with breathing persists, seek medical attention.
- 4.4 Skin contact wash skin with soap and water, if irritation persists seek medical attention.

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#### 5. **FIRE-FIGHTING MEASURES**

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- 5.1 Suitable extinguishing media for the surrounding fire. Please use dry powder, foam and a water spray.
- 5.2 Avoid excess use of water as extinguishing media to avoid environmental run-off.
- 5.3 Special exposure hazards in fire will be oxides of carbon and nitrogen.
- 5.4 Self-contained breathing apparatus (SCBA) with full protective bunker gear for fire-fighters.
- 5.4 Other instructions this product is unlikely to support combustion due to large quantities of water in the product.

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#### 6. **ACCIDENTAL RELEASE MEASURES**

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- 6.1 Personal precautions needed are wearing proper PPE and the product may make floor surface slippery.
- 6.2 Please keep product out of drains and waterways to protect the environment.
- 6.3 Contain the spill, collect spill in an absorbent material such as "kitty litter" or other inert material, place in plastic pail or drum for disposal and notify regulatory authorities.
- 6.4 Do not mix this product with other waste materials.

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#### 7 **HANDLING AND STORAGE**

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- 7.1 Store product in cool, dry place. Do not store close to strong oxidising agents which could aggravate a fire situation.
- 7.2 Store in plastic, plastic lined containers keep tightly sealed.
- 7.3 Avoid excessive heat. Store below 50 °C.
- 7.4 Avoid prolonged exposure to sunlight.
- 7.5 Keep away from children, food, feed and domestic animals.
- 7.6 After application, make sure to remove the PPE and wash your hands before eating or drinking liquids.

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#### 8 **EXPOSURE CONTROLS/PERSONAL PROTECTION**

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##### 8.1 Exposure limit values

8.1.1	No HTP values established			
8.1.2	EH40/99	2-propanol	OES(8 hour TWA UK)	999 mg/m <sup>3</sup>
8.1.3	Other countries	2- propanol	OSHA(8 hour TWA USA)	500 mg/m <sup>3</sup>
		2-propanol	MAK (8 hour TWA)	980 mg/m <sup>3</sup>
		2-propanol	ASTL (8 hour TWA)	500 mg/m <sup>3</sup>
8.1.4	Exposure controls: Avoid long term inhalation of dust/mist as it may be a mild irritant.			
8.1.5	Avoid contact with eyes, skins or clothes. Avoid clothing that could cause static discharge, the working environment should be designed to minimize worker exposure.			
8.1.6	Provide adequate ventilation. Respiratory protection recommended. Particulate and dust/mist face mask may be adequate.			
8.1.7	Impervious gloves recommended.			
8.1.8	Chemical safety glasses recommended.			
8.1.9	Protective coveralls and rubber soiled boots recommended.			
8.1.10	Environmental exposure controls			

<b>9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>	
9.1	General information (physical state, colour and odour) this product is a powder with varying colour and no odour.	
9.2	Important health, safety and environmental information	
9.2.1	pH	Not applicable
9.2.2	Flash point	48.9 °C: Product is flammable.
9.2.3	Explosive properties	If a dust is created possible explosive hazard.
9.2.4	Oxidising properties	Avoid contact with oxidising agents.
9.2.5	Vapour density (torr)	1600 at 21 °C
9.2.6	Specific gravity:	2.7
9.2.7	Water solubility	Slightly in water
9.3	Other information	None
<b>10</b>	<b>STABILITY AND REACTIVITY</b>	
10.1	Avoid contact with strong oxidising agents.	
10.2	Avoid ignition sources, sparks or open flames. Do not store above 50 °C.	
10.3	Hazardous decomposition products in fire situation are oxides of carbon and nitrogen.	
<b>11</b>	<b>TOXICOLOGICAL INFORMATION</b>	
11.1	Oral LD not established	
11.2.1	May cause irritation to eyes, skin, mouth and upper respiratory tract.	
	The product is mildly acidic.	
11.3	Sub-acute, sub-chronic and prolonged toxicity have not been determined	
11.4	Not classified as "Harmful if swallowed".	
11.5	Silicate glass is a know carcinogen.	
11.6	Other information on health effects: Inhalation of the dust/mist may cause irritation of the nose and upper respiratory tract.	
<b>12</b>	<b>ECOLOGICAL INFORMATION</b>	
12.1	This product is environmentally sound.	
12.1.1	Avoid large quantities in the streams and waterways.	
12.1.2	The impact on other organisms has not been determined.	
12.2	This product environmentally sound. Do not throw aerosol container into open fire.	
12.3	This product is not persistent accumulator in the environment.	
12.3.1	This product is environmentally sound.	
12.4	This product has very low bioaccumulation potential.	
12.5	Other adverse effects: None know at this time.	
<b>13</b>	<b>DISPOSAL CONSIDERATIONS</b>	
	Dispose in accord with National Regulations.	
	Please seek advice from the local authorities.	
	Do no mix with other waste materials.	
<b>14</b>	<b>TRANSPORTATION INFORMATION</b>	
14.1	UN number:	UN1950
14.2	Packing group:	III
14.3	Land transport	
14.3.1	Transport class:	Class 2.1
14.3.2	Risk code:	Aerosol
14.3.3	Name according to bill of freight:	Nova Ceramic Spray Glaze
14.3.4	Other information:	2-propanol and isobutene are the flammable components.
14.4	Sea transport	
14.4.1	IMDG class:	Class 2.1
14.4.2	Correct technical name:	2-propanol, Isobutene
14.4.3	Other information:	None

14.5	Air transport	
14.5.1	ICAO/IATA class:	Class 2.1
14.5.2	Correct technical name:	2-propanol, Isopbutene
14.5.3	Other information:	None

### 15 REGULATORY INFORMATION

15.1	Information on the warning label:	Keep out of reach of children. Wear proper PPE during application. Thoroughly ventilate treatment area prior to re-entry and/or re-occupancy.
15.1.1	Letter code on warning symbol and indications of danger for the product.	
15.1.2	Names of the ingredients given on the label:	Ceramic powder, isopropyl alcohol, environmentally approved propellant.
15.2	R phrases:	R10, R20/21/22, R66, R67
15.3	S phrases:	S2, S3, S16, S24/25, S36/37/38, S61
15.4	SARA Title 313, Toxic Chemicals :	None
15.5	Section 302-304 (30 CFR Part 350) :	None
15.6	Extremely hazardous substance (EHS):	None
15.7	RCRA hazardous waste:	None
15.8	Prop 65:	Silicate glass - carcinogen
15.9	SARA Hazard Notification Reporting	
	Immediate <u>Y</u> Fire <u>Y</u> Sudden Release of Pressure <u>Y</u>	
	Delayed <u>Y</u> Reactive <u>N</u>	
15.9.1	Special regulations on certain preparations:	HMIS & NFPA
	HMIS	NFPA
	2 Health	2
	2 Fire	2
	1 Reactivity/Instability	1
	E PPE	

### 16. OTHER INFORMATION

16.1	List of relevant R phrases:	R10, R20/21/22, R66, R67
16.2	Training advice:	S2/3, S16, S24/25, S36/37/38, S61
16.3	Restrictions on use:	Professional use only!
16.4	Further information:	Call INFOTRAC COLLECT 1-352-323-3500.
	EU, EEC Directives on the Control of Dangerous Substances and Preparations (67/548/EEC), Council Directive 88/379/EEC, WHMIS, NIOSH and OSHA 29 CFR 1910.1200.	
16.5	WHMIS classifies this material D-2A; material can cause other toxic effects.	
16.6	This product contains silicate glass that is classified as a carcinogen under 29 CFR Part 1910.1200 (USA), Controlled Regulations (Canada) and under California Proposition 65.	
16.7	This product is listed by the EU as F= and Xi.	
16.8	Kaolin is listed in the states of IL, FL, PA, MA, MN, MI, and RI is listed as a hazardous substance.	
16.9	This is a new Safety Data Sheet for International use.	
16.10	Abbreviations:	
	CAS #	Chemical Abstract Service number
	°C	Degrees Celsius
	EU	European Union
	EEC	European Economic Commission
	EINECS #	European Inventory of Existing Chemical Substances number
	OES	Occupational Exposure Standard
	PPE	Personal protective equipment

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