

SAFETY DATA SHEET

2/6/2017

LUNA™ Characterization Liquid

LUNA™ Orea Characterization Liquid

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Luna characterization liquid
Luna Orea characterization liquid

PRODUCT I.D.: All product numbers with prefixes: LCL- and OCL-

COMPANY: Opa Dental, LLC
105 Whitaker Blvd.
Huntington, WV 25701

PHONE: 1-304-523-6721

CHEMICAL NAME: Multiple components; see section 9

CHEMICAL FORMULA: Multiple components; see section 9

PRODUCT USE: Pigmentation of dental zirconia

SECTION 2: COMPOSITION

Chemical Characterization: Coloring Liquid					
Composition:	Percentage:	CAS Number:	EC Number:	NFPA H/F/R/O*	HMIS H/F/PH/PP**
Iron Chloride (FeCl ₃)	0-5%	10025-77-1	215-275-4	2/0/0/-	2/0/0/E
Neodymium Nitrate (Nd(NO ₃) ₃ · xH ₂ O)	0-10%	16454-60-7	233-153-9	2/0/1/OX	2/0/0/E
Erbium Chloride (H ₁₂ ClErO ₆)	0-10%	10025-75-9	235-045-7	2/0/0/-	2/0/0/E
Manganese Chloride (MnCl ₂)	0-1.5%	7773-01-5	231-869-6	2/0/0/-	2/0/0/E
Praseodymium Nitrate (H ₁₂ N ₃ O ₁₅ Pr)	0-2%	15878-77-0	234-857-9	0/0/1/OX	0/0/1/E
Hydrochloric Acid (HCl)	0-0.6%	7647-01-0	231-595-7	3/0/0/-	3/0/0/E
Ionized Water (H ₂ O)	60.4-95%	7732-18-5	231-791-2	0/0/0/-	0/0/0/-
Polyethylene Glycol (PEG)	5-10%	25322-68-3	500-038-2	0/0/0/-	0/0/0/-

*Health, Flammability, Reactivity, Other information

**Health, Flammability, Physical Hazard, Personal Protection

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SECTION 3: HAZARDS IDENTIFICATION



Irritant

ROUTES OF ENTRY: Liquid and/or vapor in eyes, mouth, or skin.

POTENTIAL HEALTH EFFECTS

EYES:	May irritate
SKIN:	May irritate
INGESTION:	May irritate
INHALATION:	Vapor may irritate

CARCINOGENICITY: None known.

SECTION 4: FIRST AID MEASURES

EYES: Wash eyes with large quantities of clean water for at least 15 minutes. In case of after-effects, call a physician.

SKIN: Wash thoroughly with warm water.

INGESTION: Rinse with water. In case of after-effects, call a physician.

INHALATION: Move person into fresh air. In case of after-effects, call a physician

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Non-flammable liquid. Normal extinguishing media

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Avoid discharge into drains or surface water.

SECTION 7: HANDLING AND STORAGE

HANDLING: Only adequately trained personnel should handle this product. Keep out of reach of children. Usual hygienic measures are necessary. When using, do not eat, drink, or smoke. Provide adequate local ventilation or suction unit, especially in case of vapor exposure.

STORAGE: No special requirements for place of storage and containers.
No further indications necessary for storage, no restrictions for storage with other products.

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SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Provide adequate local ventilation.

Use material in under fume hood or other ventilating device

Use a vapor protection mask.

Avoid inhalation of vapor.

Avoid vapor build-up.

Safety eyewear necessary.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid-clear, green, gray, orange, pink, purple
Odor:	Acrid
pH:	N/A
Boiling Point:	~100°C
Flash Point:	Not Flammable
Auto-Flammability:	Not Self-Igniting
Explosive Properties:	N/A
Oxidizing Properties:	N/A
Vapor Pressure:	N/A
Relative Density:	1 gr/cm ³
Solubility water/fat:	Soluble in water
Partition Coefficient:	N/A
Viscosity:	N/A
Vapor Density:	N/A
Evaporation Rate:	N/A
Other Data:	N/A

SECTION 10: STABILITY AND REACTIVITY

Conditions to avoid:	N/A
Materials to avoid:	N/A
Hazardous Decomposition products:	N/A

SECTION 11: TOXICOLOGICAL INFORMATION

Cytotoxicity	None
Short-term systemic toxicity	None
Sensitization (delayed hypersensitivity)	None
Cutaneous reactivity	None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: NONE

SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: Take to an approved landfill or waste incineration plant, under conditions approved by the local authorities.

SECTION 14: TRANSPORT INFORMATION

Not Hazardous

SECTION 15: REGULATORY INFORMATION

Class II medical device

Device #: 872.6660

Code: EIH

Regulated by the FDA, only distributed by FDA registered entities

ADDITIONAL INFORMATION

The Safety Data Sheet serves as a description of the products in regard to necessary safety measures. The indications do not guarantee properties.