

# SAFETY DATA SHEET

## NON-FLAMMABLE PROPELLANT SPRAY CERAMICS

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Fluorescent Cad Spray Glaze, Non-flammable Propellant Spray Glaze **Product and Re-Order Codes**

**Manufacturer:** EG-02LF- Nova /Indenco Spray Glaze- Low Fusing 111 Grams

Enamelite® LLC EG-03NLF-Indenco Spray Glaze- Low Fusing 48 /96Grams

52 West King Street EG-04FNLF- Indenco Fluorescent Low Fusing Cad Spray Glaze 48/96 grams

Myerstown, PA, USA 17067 EO- Base Opaque AEROpaque

EO- A2-D3 AEROpaque Shades

**Distributor:** Indenco Dental Products Inc. Corona, CA.

**1-800-373-7542 CHEMICAL EMERGENCY (24-hr/7 days)**

**International Shipments: call collect 1-484-951-2432**

### SECTION 2: HAZARDS IDENTIFICATION

**Emergency Overview:** This is a clear compressed non-flammable propellant aerosol with a peppermint odour.

**GHS Label:**



**GHS Signal Word: Danger**

**Emergency overview:** NON-FLAMMABLE PROPELLANT AEROSOL. Heavier than air. Avoid frostbite. Keep out of reach of children. Harmful if inhaled or swallowed. Aspiration may cause damage to the lungs and respiratory system. Product may cause drowsiness and dizziness.

**OSHA regulatory status:** This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

#### POTENTIAL HEALTH EFFECTS:

#### CODE OF HAZARD STATEMENTS:

Physical hazards

H227, Combustible liquid.

Health Hazards

H305, May be harmful if swallowed and enters airways.

H315, Causes skin irritation.

H320, Causes eye irritation.

H333, May be harmful if inhaled.

H336, May cause drowsiness or dizziness.

Environmental hazards

H402, Harmful to aquatic life.

#### CODE OF PRECAUTIONARY STATEMENTS:

General

P101, Keep out of reach of children.

P103, Read label before use.

Prevention

P233, Keep container tightly closed.

P234, Keep only in original container.

P261, Avoid breathing breathing fume/gas/mist/Vapor spray.

P262 Do not get in eyes, on skin or on clothing.

P264, Wash thoroughly after handling.

P270, Do not eat, drink or smoke when using this product.

P280, Wear protective gloves/protective clothing/eye protection/face protection.

Response

P312, Call a POISON CENTER or doctor/physician if you feel unwell.

P331, DO NOT induce vomiting.

P340, Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P352, Wash with plenty of soap and water.

P362, Take off contaminated clothing and wash before reuse.

Storage

P403, Store in a well-ventilated area.

P412, Do not expose to temperatures exceeding 21 °C/70 °F.

**ROUTES OF ENTRY:** Eye contact, skin adsorption and inhalation.

**CARCINOGENICITY:** None.

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### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENT

COMPONENT	CAS #	EINECS #	AMOUNT % WEIGHT	REACH REGISTRATION #
Solstico™ 1234ze	29118-24-9	471-480-4	Prop.	No
SDA-38B-17	64-17-5	200-578-6	Prop.	Yes
Dental Porcelain	12001-21-17	310-194-1	Prop.	No
Peppermint oil	8006-90-4	282-015-4	Prop.	No

REACH Registration number is the combination of the EINECS # and the CAS #, for example SDA-38B-17; REACH Reg. # is 200578664175.

Oxygen levels should be maintained greater than 19.5% at normal atmospheric pressure that is equivalent to a partial pressure of 135 torr.

### SECTION 4: FIRST AID MEASURES

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

**Skin contact:** Wash off immediately with plenty of luke-warm water. Get medical attention if irritation develops or persists. Wash clothing separately before reuse. If high-pressure injection under the skin occurs, always seek medical attention.

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

**Ingestion:** Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Do not give mouth-to-mouth resuscitation. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Get medical attention immediately.

**Notes to physician:** In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**General advice:** If exposed or concerned: get medical attention/advice. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use.

### SECTION 5: FIRE FIGHTING MEASURES

**Flammable properties:** on-flammable propellant aerosol used product still flammable by OSHA criteria (Flash point > 200 °F (93.3°C)). Container may explode when heated.

**Extinguishing media:** Water spray. Water fog. Foam. Dry chemical powder or Carbon dioxide; do not use a solid water stream as it may scatter and spread fire.

**Protection of firefighters:** Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and facemask.

**Protective Measures:** Work in well-ventilated areas. Avoid ignition sources.

**Spill Management:** Stop the source of the release if you can do it without risk. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

**Reporting:** U.S.A. regulations require reporting spills of this material that could reach any surface waters. Report spills to local authorities and / or Hazmat Services™, Inc. 1-800-373-7542 for international shipments 1-484-951-2432.

### SECTION 7: HANDLING AND STORAGE

**Handling:** Wear personal protective equipment. Do not breathe product. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Avoid prolonged exposure. Use only with adequate ventilation. Wash thoroughly after handling. When using, do not eat, drink or smoke.

**Storage:** Non-flammable propellant aerosol storage between 70 °F (21 °C). The pressure in sealed containers can increase under the influence of heat. Keep away from ignition sources. Keep container tightly closed in a cool, well-ventilated place. Keep away from food, drink and animal feeds. Keep out of the reach of children.

### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Personal protective equipment:

Wear safety goggles/safety glasses. If potential for mists, wear full face shield. Wear chemical-resistant, impervious gloves. Long sleeve shirt and long pants recommended and full-body suit and boots recommended when handling large

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volumes or in emergency situations.

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator (EN136, EN 140 or EN 149). If workplace exposure limits for product or components are exceeded, NIOSH approved equipment should be worn. Proper respirator selection should be determined by adequately trained personnel, based on the contaminants, the degree of potential exposure and published respiratory protection factors. This equipment should be available for non-routine and emergency use. Threshold Limit Values: OSHA TWA: 800 ppm  
United Kingdom TWA (ppm):800 ppm.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:**White powder with a peppermint odour.

**Colour:**White powder.

**Vapour density (Air=1):** >3.5 @ 59 °F (15 °C)

**Specific gravity(Water=1):**> 2 at 25 °C (77 °F)

**Odour:**Mild odour.

**Solubility (water):**Insoluble (0.373 ml/100ml)

**Flash point:**> 200 °F (93.3°C).

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

#### SECTION 10: STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**CONDITIONS TO AVOID:** Extreme high temperatures.

**INCOMPATIBILITY WITH OTHER MATERIALS:** Alkali metals. Avoid contact with powdered aluminum, beryllium, and zinc.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon and hydrogen fluoride.

**HAZARDOUS POLYMERIZATION:** Hazardous Polymerization will not occur.

#### SECTION 11: TOXICOLOGICAL INFORMATION

**Acute effects:** Harmful if inhaled or swallowed. Harmful: may cause central nervous system damage if swallowed. Irritating to eyes, respiratory system and skin. In high concentrations, vapours and spray mists may cause dizziness and drowsiness.

**Sensitization:** This substance may have a potential for sensitization which may provoke an allergic reaction among sensitive individuals.

Carcinogenicity

Epidemiology:None.

Mutagenicity: None.

Reproductive effects: None.

ACGIH Carcinogens: None.

Teratogenicity: None.

IARC Monographs: None.

US NTP: None.

US OSHA: None.

**Neurological effects:**May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue).

**Further information:**None.

#### SECTION 12: ECOLOGICAL INFORMATION

**ECOTOXICITY:**The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.

**ENVIRONMENTAL FATE:**The environmental fate of this material is not available. Zero ozone depletion.

#### SECTION 13: DISPOSAL CONSIDERATIONS

**Personal precautions:**Keep unnecessary personnel away. Local authorities should be advised if significant spills cannot be contained. Keep upwind. Keep out of low areas. Ventilate closed spaces before entering. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See Section 8 of the MSDS for Personal Protective Equipment.

**Environmental precautions:**Stay upwind and away from spill. Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not enter or stay in area unless monitoring indicates that it is safe to do so. Isolate hazard area and restrict entry to emergency crew.

Methods for containment: Stop leak if you can do so without risk. Prevent entry into waterways.

**Methods for cleaning up:**Ventilation.

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**Small Spills:** Ventilate the area.

**Other information:** Clean up in accordance with all applicable regulations.

### SECTION 14: TRANSPORTATION INFORMATION

Follow the precautions indicated in the Handling and Storage Section, Section 7 of this MSDS.

**US DOT Classification for highway:** Consumer Commodity, ORM-Dor UN1950, Aerosols, nonflammable, 2.2

**IATA/CAOCARGO AIRCRAFT ONLY:** Consumer Commodity, 9with capacity of 9 L (2.38 gals)

UN1950, Aerosols, nonflammable, 2.2

Use packing instruction 203 for capacity up to 150 kgs (330.7 lbs.).

**IMO / IMDG:** UN1950, Aerosols, nonflammable, 2.2

Use packing instructions P003 and LP02.

**RID / ADR:** UN1950, Aerosols, nonflammable, 2.2

### SECTION 15: REGULATORY INFORMATION

#### SARA 311/312 CATEGORIES:

1. Immediate (Acute) Health Effects: Yes    Delayed (Chronic) Health Effects: No

Fire Hazard: No

Sudden Release of Pressure Hazard: Yes

Reactivity Hazard: No

GHS Label:



**CLASSIFICATION ACCORDING TO REGULATION (EC) No. 1272/2008/EC (CLP/GHS):** Yes

**CLASSIFICATION ACCORDING TO DIRECTIVE 67/548/EES \$ 199/45/ES:** Not classified as dangerous.

**WHMIS CLASSIFICATION:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by these regulations.



**European Community:** F Xi

**CAA 112(r) (TQ):** None.

**CERCLA (RQ):** None.

**Section 313:** None.

**REACH Compliant:** Yes, see listed chemicals in section 3.

**Prop. 65:** None.

**USA:** Kaolin and SDA-38B-17 are listed in FL, IL, PA, MA, MN, MI and RI as hazardous substance.

**CHEMICAL INVENTORY LISTINGS:** Kaolin and SDA-38B-17 are listed in AUSTRALIA, CANADA, EUROPEAN UNION, KOREA, PHILIPPINES, JAPAN, PEOPLE'S REPUBLIC OF CHINA and the UNITED STATES.

**EU RISK AND SAFETY PHRASES:** R22: Harmful if swallowed; R38: Irritating to skin; R65: Harmful: may cause lung damage if swallowed and R66: Repeated exposure may cause skin dryness or cracking.

S2: Keep out of reach of children; S9, Keep container in well-ventilated place; S24: Avoid contact with skin; S36/37: Wear suitable protective clothing and gloves; and S62: If swallowed do not induce vomiting: seek medical advice immediately and show this container or label.

### SECTION 16: OTHER INFORMATION

#### National Fire Protection Association (NFPA)

##### NFPA

1 Health  
1 Flammability  
0 Instability

#### Hazardous Materials Identification System (HMIS)

##### HMIS

1 Slight  
2 Moderate  
3 High  
4. Deadly

1 Health  
1 Flammability  
0 Reactivity  
F PPE

Ratings System: 0=No Hazard; 1=Slight Hazard; 2=Moderate Hazard; 3=Serious Hazard; 4=Severe Hazard.

**REVISION STATEMENT:** This is a new SDS to change manufacturer's address

#### ABBREVIATIONS:

TLV    Threshold Limit Value  
STEL    Short-term Exposure Limit  
OSHA    Occupational Safety & Health  
NFPA    National Fire Protection Agency

TWA    Time Weighted Average  
PEL    Permissible Exposure Limit  
NIOSH    National Institute of Safety & Health  
WHMIS-Workplace Hazardous Materials Information System

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IARC	Int. Agency for Research on Cancer	RCRA	Resource Conservation Recovery Act
TSCA	Toxic Substance Control Act	EC <sub>50</sub>	Effective Dose
LC <sub>50</sub>	Lethal Concentration	LD <sub>50</sub>	Lethal Dose
CAS	Chemical Abstract Service Number	NDA	No Data available
NA	Not Applicable	≤	Less Than or Equal To
≥	Greater Than or Equal To	CNS	Central Nervous System
LEL	Lower explosive limit	UEL	Upper explosive limit
kgs	kilograms	lbs	pounds
ACGIH	American Conference of Government Industrial Hygienists		
SARA	Superfund Amendments and Reauthorization Act		
EINECS	European Inventory of existing Commercial Chemical Sales		
MAK	Germany Maximum Concentration Values		
GHS	Global Harmonization System		

This product is furnished **FOR PROFESSIONAL LABORATORY USE ONLY!**

Cylinders should be transported in a secure upright position, in a well-ventilated truck.

**NEVER TRANSPORT IN PASSENGER COMPARTMENT OF A VEHICLE.**

Prepared: 19 December 2014

Replaces: 12 April 2014

**NOTE:**The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Enamelite® LLC, their employees, or affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

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