

# iLOVEtoCREATE™

A DUNCAN ENTERPRISES COMPANY

5673 East Shields Avenue • Fresno, CA 93727 USA

Phone: 559.291.4444 • Fax: 559.291.9444

March 26, 2014

Dear Linda,

This letter is to inform you that the Duncan Envision glazes are completely lead- free and non-toxic. I have attached a copy of our Safety Data Sheet for your reference. Hope this information will clarify any questions you might have had.

In the meantime, please feel free to contact me if you require further assistance.

Regards,  
Erin Messer  
Customer Loyalty Specialist II  
[emesser@ilovetocreate.com](mailto:emesser@ilovetocreate.com)  
800-237-2642 ext. 3259





**1. COMPANY AND PRODUCT IDENTIFICATION**

**iLoveToCreate**  
A Duncan Enterprises Company  
5673 East Shields Avenue  
Fresno, CA 93727  
559-291-4444  
559-291-9444 (Fax)

**EMERGENCY TELEPHONE NUMBERS**  
**Health Emergencies:**  
559-291-4444 7:00 am – 3:30 pm Pacific Std. Time  
**Spill and Off-Hour Health Emergencies:**  
800-424-9300 U.S. and Canada  
703-527-3887 Outside U.S. and Canada (Collect)

**Product Name:** DUNCAN ENVISION GLAZES  
**Product Description:** Nontoxic Ceramic Glazes

**2. HAZARDS IDENTIFICATION**

HMIS Hazard Ratings for Product		Rating Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic Effects
Health	1	
Environment	1	
Reactivity	0	
Personal Protection	See Section 8	

**3. COMPOSITION / INGREDIENT INFORMATION**

The ingredients in this formulation are a trade secret. All ingredients in the formula are non-hazardous, unless specified in Sections 2 and 15.

**4. FIRST AID MEASURES**

**Eye Contact:** Flush eyes with large amounts of water until irritation subsides. Consult a physician if irritation persists.  
**Skin Contact:** Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.  
**Inhalation:** Move subject to fresh air. Consult a physician if symptoms persist.  
**Ingestion:** If swallowed, give two glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.

**5. FIRE FIGHTING MEASURES**

<b>Autoignition Temperature:</b>	Non-flammable
<b>Flash Point:</b>	Not Applicable
<b>Upper Explosive Limit (%):</b>	Not Applicable
<b>Lower Explosive Limit (%):</b>	Not Applicable
<b>Extinguisher Media:</b>	CO <sub>2</sub> , Dry Chemical, Foam – Use extinguishing media appropriate for surrounding fire
<b>Special Firefighting Procedures:</b>	Not Applicable
<b>Fire &amp; Explosion Hazards:</b>	Not Applicable
<b>NFPA Flammability Hazard Class:</b>	0 = Insignificant

## iLoveToCreate Material Safety Data Sheet – Duncan Envision Glazes

### 6. ACCIDENTAL RELEASE MEASURES

**Spill or Leak Procedures:** Spills should be taken up with suitable absorbent material and placed in containers. Spill areas can be washed with water; collect wash water for approved disposal. Do not flush to storm sewer or waterway.  
For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information.

### 7. HANDLING AND STORAGE

**Storage Temperature:** 40° - 100°F  
**Handling / Storage:** Protect from freezing; keep container sealed when not in use  
**Ventilation Requirements:** General

### 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

**Conditions Under Which Personal Protective Equipment Required:** Normal work conditions, maintenance / repair  
**Eye Protection Requirements:** Wear safety glasses with side shields; protect against splashing  
**Glove Requirements:** Gloves not normally required for foreseeable conditions of use.  
**Clothing Requirements:** Protective clothing is normally not necessary for foreseeable conditions of use.  
**Change / Removal of Clothing:** None required  
**Wash Requirements:** Good hygiene practices should be followed  
**Respirator Requirements:** NIOSH approved respirator for sprays and mists recommended if using a sprayer  
**Ventilation Requirements:** General; local exhaust ventilation recommended when spraying

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance / Physical Description:</b>	Colored liquid. Odorless
<b>pH:</b>	7 - 10
<b>Boiling Point:</b>	212°F
<b>Freezing Point:</b>	Approx. 0°C (32°F)
<b>Melting Point:</b>	1832°F (1000°C)
<b>Solubility in Water:</b>	Miscible
<b>Specific Gravity (Water = 1):</b>	1.3 – 1.8
<b>Bulk Density:</b>	10.8 – 15.0 lb / gal
<b>Evaporation Rate (Water = 1):</b>	1
<b>Vapor Pressure:</b>	17.5 mm Hg @ 20°C (68°F)
<b>Autoignition Temperature:</b>	Not Applicable
<b>Flash Point:</b>	Not Applicable
<b>Oxidizing Properties:</b>	Not Applicable

### 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Incompatible Materials:</b>	None known
<b>NFPA Reactivity Class:</b>	0 = Insignificant
<b>Hazardous Decomposition Products:</b>	Avoid fumes when firing
<b>Hazardous Polymerization:</b>	Will not occur
<b>Conditions to Avoid:</b>	None Known

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**11. TOXICOLOGICAL INFORMATION**

**Acute (Short-Term) Effects of Exposure**

<b>Route of Entry</b>	Eye contact, skin contact, inhalation, ingestion
<b>Acute Effects – Eye:</b>	Slight, transient
<b>Acute Effects – Skin Contact:</b>	No known signs or symptoms associated with exposure to product
<b>Acute Effects – Inhalation:</b>	No known signs or symptoms associated with exposure to product
<b>Acute Effects – Ingestion:</b>	No known signs or symptoms associated with exposure to product

**Chronic (Long-Term) Effects of Exposure**

<b>Effect of Chronic Exposure:</b>	This product should be considered non – hazardous and has no known chronic effects.
<b>Target Organs:</b>	Not applicable
<b>Carcinogenicity:</b>	IARC Monographs: No    NTP: No    OSHA Regulated: No

**12. ECOLOGICAL INFORMATION**

No applicable data

**13. DISPOSAL CONSIDERATIONS**


<b>Waste Disposal Methods:</b>	Waste disposal should be in accordance with existing Federal, State, and Local environmental regulations.
<b>Empty Container Warnings:</b>	Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied.

**14. TRANSPORT INFORMATION**

**U.S. Department of Transportation Information**

<b>DOT Shipping Name:</b>	Glazes or Stains, Ceramic or Pottery, Artists or Hobbyists Liquid
<b>DOT Hazard Class:</b>	88690 Sub. 1
<b>DOT Reportable Quantity:</b>	None

**15. REGULATORY INFORMATION**

<b>TSCA:</b>	All components are on the TSCA Inventory
<b>FDA:</b>	21CFR175.105
<b>SARA/Title III:</b>	This product contains no substances at or above the reported threshold under Section 313, based on available data.
	Products bearing the Nontoxic Product Seal are certified in a program of toxicological evaluation by a nationally recognized toxicologist to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems. These products are certified to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236. In addition, there is no physical hazard as defined within 29 CFR Part 1910.1200(c).

16. OTHER INFORMATION

Table of Abbreviations	
ACGIH	American Conference of Governmental Industrial Hygienists
ANSI	American National Standards Institute
ASTM	American Society for Testing Materials
°C	Degrees Centigrade
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
CPR	Controlled Products Regulations
DOT	Department of Transportation
EPA	Environmental Protection Agency
°F	Degrees Fahrenheit
FDA	Food & Drug Administration
g / l	Grams per liter
DOT	Department of Transportation
EPA	Environmental Protection Agency
°F	Degrees Fahrenheit
FDA	Food & Drug Administration
g / l	Grams per liter
Hg	Mercury
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
LD	Lethal Dose
mg / kg	Milligram per kilogram
mm	Millimeter
MSDS	Material Safety Data Sheet
MSHA	Mine Safety and Health Administration
N / A	Not Applicable
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
ppm	Parts per million
SARA	Superfund Amendment and Reauthorization Act
STEL	Short-Term Exposure Limit
TSCA	Toxic Substances Control Act
TWA	Time - Weighted Average
U.N.	United Nations
WHMIS	Workplace Hazardous Materials Information System
>	Greater Than
<	Less Than

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**16. OTHER INFORMATION (Continued)**

<b>Creation Date:</b>	07/00
<b>Revision Date:</b>	03/23/11
<b>Technical Contact:</b>	Frank Peters Research & Development Manager iLoveToCreate A Duncan Enterprises Company 5673 East Shields Avenue Fresno, CA 93727 559-291-4444 559-291-9444 (Fax)

**Disclaimer**

The information given and the recommendations made herein apply to our product(s) alone and not combined with any other product(s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guarantee of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.