iLOVETOCREATE®
A DUNCAN ENTERPRISES COMPANY

Safety Data Sheet

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 CONCEPTS UNDERGLAZES**
Product Description: Nontoxic Ceramic Underglazes

2. HAZARDS IDENTIFICATION

HMIS Hazard Ratings for Product	
Health	**1**
Flammability	**0**
Reactivity	**0**
Personal Protection	**See Section 8**

Rating Scale:
0 = Minimal
1 = Slight
2 = Moderate
3 = Serious
4 = Severe
* = Chronic Effects

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

Autoignition Temperature:	Non-flammable
Flash Point:	Not Applicable
Upper Explosive Limit (%):	Not Applicable
Lower Explosive Limit (%):	Not Applicable
Extinguisher Media:	CO_2, Dry Chemical, Foam – Use extinguishing media appropriate for surrounding fire
Special Firefighting Procedures:	Not Applicable
Fire & Explosion Hazards:	Not Applicable
NFPA Flammability Hazard Class:	0 = Insignificant

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 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

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

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Acute (Short-Term) Effects of Exposure	
Route of Entry	Eye contact, skin contact, inhalation, ingestion
Acute Effects – Eye:	Slight, transient
Acute Effects – Skin Contact:	No known signs or symptoms associated with exposure to product
Acute Effects – Inhalation:	No known signs or symptoms associated with exposure to product
Acute Effects – Ingestion:	No known signs or symptoms associated with exposure to product

Chronic (Long-Term) Effects of Exposure	
Effect of Chronic Exposure:	This product should be considered non – hazardous and has no known chronic effects.
Target Organs:	Not applicable
Carcinogenicity:	**IARC Monographs:** No **NTP:** No **OSHA Regulated:** No

12. ECOLOGICAL INFORMATION

No applicable data

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

U.S. Department of Transportation Information	
DOT Shipping Name:	Glazes or Stains, Ceramic or Pottery, Artists or Hobbyists Liquid
DOT Hazard Class:	88690 Sub. 1
DOT Reportable Quantity:	None

15. REGULATORY INFORMATION

TSCA:	All components are on the TSCA Inventory
FDA:	21CFR175.105
SARA/Title III:	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
SDS	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

16. OTHER INFORMATION (Continued)

Creation Date:	07/00
Revision Date:	01/22/13
Technical Contact:	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.