



1. COMPANY AND PRODUCT IDENTIFICATION

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

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 Courtyard Glazes
Product Use/Description: Ceramic underglazes
Restrictions on use: None known.

2. HAZARDS IDENTIFICATION

Classification:	This composition does not meet the qualifications for classification.
Hazard Statement:	None known.
Other Hazards:	None known.
Signal Word:	None. None of the components listed meet the qualifications for classification.
Precautionary Statement:	No data.
Pictogram(s) by GHS:	No data.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Detailed formulation is submitted by the client and it is proprietary information.
Products are made by physical manipulation and chemical reaction from the ingredients. These ingredient chemicals may not exist as its original formula in final products. None of these ingredients are hazardous substances.

Reportable ingredients (if applicable): The components are not hazardous and are below the required disclosure limits.

4. FIRST AID MEASURES

General Advice:	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
On Inhalation:	See fresh air. Consult a physician if symptoms persist.
On Skin Contact:	Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.
On Eye Contact:	Flush eyes with large amounts of water until irritation subsides. Consult a physician if irritation persists.
On Ingestion:	If swallowed, give two glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.
Medical Advice:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Suitable extinguishing media:	Product not flammable. Use fire-extinguishing media appropriate for surrounding materials. CO ₂ , Dry chemical, foam – Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media:	Not available.

Protection of Firefighters

Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.
Protective equipment for firefighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Special precautions for fire fighters:	Use standard firefighting procedures and consider the hazards of other involved materials.
Will hazardous combustion occur?:	Will not occur.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Ensure adequate ventilation.
Environmental Precautions:	Do not discharge into drains, water courses, or not on the ground. Avoid discharge into water courses or onto the ground.
Methods for Cleaning Up:	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.
Emergency Procedures:	No data.
Recommended Personal Protective Equipment:	See section 8 of this SDS.
Emergency Containment/Procedures:	See methods for cleanup.

7. HANDLING AND STORAGE

Safe Storage:	Protect from freezing; keep container sealed when not in use. Storage temperature: between 40°F – 100°F.
Safe Handling:	Gloves are not normally required under general use.
Known Incompatibilities:	None known.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Occupational Exposure Limits: No specific usage precautions noted.

Appropriate Engineering Controls: No special requirements under ordinary conditions of use and with adequate ventilation.

Individual Protection measures, such as PPE (Personal Protective Equipment):

Personal Protection Equipment:

Respiratory Protection:	NIOSH approved respirator for sprays and mists recommended if using a sprayer.
Eye Protection:	Wear safety glasses with side shields; protect against splashing.
Hand Protection:	Gloves not normally required for foreseeable conditions of use.
Skin Protection:	Protective clothing is normally not necessary for foreseeable conditions of use.
Thermal Protection:	No data.
General Safety and Hygiene Measures:	Normal work conditions, maintenance / repair.
Further Information:	No data.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance:	Liquid.
Color:	Colored.
Odor:	No data.
Odor Threshold:	No data.
pH:	7 – 10
Boiling Point/Range:	212°F
Melting Point/Range:	1832°F (1000°C)
Flash Point:	N/A
Evaporation Rate (water = 1):	1
Vapor Density:	10.8 – 15.0 lb./gal
Solubility(ies) in water:	Miscible.
Vapor Pressure:	17.5 mm Hg @20°C (68°F)
Relative Density:	No data.
Viscosity:	No data.
Partition Coefficient (n-octanol/water), if applicable:	No data.
Explosive Properties:	No data.
Flammability: (Solid, gas)	No data.
Flammability Limit in Air: Upper/Lower	No data.
Autoignition temperature:	N/A
Decomposition temperature:	No data.

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions to Avoid:	None known.
Incompatible Materials:	None known.
Hazardous Decomposition Products:	Avoid fumes when firing.
Reactivity:	None.
Hazardous polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Eye Contact –Serious Eye Damage or Irritation	Slight, transient.			
Skin Contact – Skin Corrosion, Sensitization or Irritation:	No known signs or symptoms associated with exposure to product.			
Ingestion – Carcinogenicity/Aspiration Hazard:	No known signs or symptoms associated with exposure to product.			
Inhalation – Respiratory Sensitization/Toxicity:	No known signs or symptoms associated with exposure to product.			
Symptoms related to the physical chemical and toxicological characteristics:	None known.			
Chemicals listed on NTP, IARC or OSHA as a Carcinogen?:	None.			
<u>Chemical Name:</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Inhalation LC50</u>	<u>Percentage</u>

*Estimates for product may be based on additional component data not shown.

12. ECOLOGICAL INFORMATION (NON-MANDATORY)

Ecotoxicity:	No data.
Persistence and degradability:	No data.
Bioaccumulative potential:	No data.
Aquatic / Terrestrial warnings:	No data.
Mobility in soil:	No data.
Other adverse effects:	No data.

13. DISPOSAL CONSIDERATIONS (NON-MANDATORY)

Disposal instructions:	Waste disposal should be in accordance with existing Federal, State, and Local environmental regulations.
Contaminated packaging:	Empty containers may contain product residue; Follow SDS and label warnings even after they have been emptied.
Waste residues:	No data.

14. TRANSPORTATION INFORMATION (NON-MANDATORY)

	DOT	IMDG	IATA
UN/ID number:	No data.	No data.	No data.
Proper shipping name:	Glazes or stains. Ceramic or Pottery, Artists or Hobbyists Liquid.	No data.	No data.
Transport hazard class:	88690 Sub. 1	No data.	No data.
Packing group (if applicable):	No data.	No data.	No data.
Environmental Provisions:	No data.	No data.	No data.
Special Precautions:	No data.	No data.	No data.
Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code:	No data.		
Emergency Response Guide Number:	No data.	EmS-No:	No data.

Pictograms

US:	IATA; IMDG:	Marine Pollutant:
X	X	X

15. REGULATORY INFORMATION (NON-MANDATORY)

US Federal Regulations:					
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):		All components are on the TSCA Inventory			
CERCLA (Superfund) reportable quantity (lbs.) (40 CFR 302.4)		No data.			
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):		No data.			
Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):		No data.			
Chemical Name:	CAS Number:	Reportable Quantity:	Threshold planning quantity:	Threshold planning quantity, lower value:	Threshold planning quantity, upper value:
None	X	X	X	X	X
Superfund Amendments and Reauthorization Act of 1986 (SARA)					
SARA 304 Emergency release notification:		No data.			
SARA 311/312 (40 CFR 370)		No data.			

Hazardous Chemical:			
SARA 313 (TRI reporting):	<u>Chemical Name:</u> None	<u>CAS Number:</u> X	<u>% by wt.</u> X
Drug Enforcement Administration (DEA) (21 CFR 1308.11-15):	No data.		
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (Haps) List:	No data.		
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):	No data.		
Safe Drinking Water Act (SDWA):	No data.		
Canadian Domestic Substances List (DSL):	No data.		
State Regulations			
TSCA:	This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U.S. C. 2601 et. Seq.		
FDA:	21 CFR 175.105		
SARA/Title III:	This product does not contain any substances at or above the reported threshold under Section 313, based on available data.		
Conforms to Non-Toxic ASTM-4236:	Products 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).		
California Proposition 65 Warning:	This product contains the following chemicals that are known to the State of California to cause cancer, birth defects, or other reproductive harm: None		
HMIS III Rating:	Health=1; Flammability=0, Reactivity=0		
Unless a concentration is specified in Section 2 of the SDS, the above chemicals(s) are present in trace amounts.			

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

16. OTHER INFORMATION

These recommendations and information contained in this MSDS have been compiled from sources believed to represent the most current information available when the MSDS was prepared. However, the manufacturer / distributor of this product does not provide any warranty, guaranty of representation as to the correctness or sufficient of this information. If this material is used in large amounts and/or an unusual manner, the user is obliged to determine what safety measures are appropriate, including the applicable and relevant workplace and environmental regulations pertaining to handling, use and disposal.

Table of Abbreviations			
ACGIH:	American Conference of Governmental Industrial Hygienists	LD:	Lethal Dose
ANSI:	American National Standards Institute	MARPOL:	Marine Pollution
ASTM:	American Society for Testing Materials	mg / kg:	Milligram per Kilogram
°C:	Degrees Centigrade	mm:	Millimeter
CAA:	Clean Air Act	MSHA:	Mine Safety and Health Administration
CAS:	Chemical Abstract Service	N/A:	Not Applicable
CERCLA:	Comprehensive Environmental Response, Compensation & Liability Act	NFPA:	National Fire Protections Association
CFR:	Code of Federal Regulations	NIOSH:	National Institute for Occupational Safety and Health
CPR:	Controlled Products Regulations	NTP:	National Toxicology Program
DEA:	Drug Enforcement Act	OEL:	Over Exposure Limit
DOT:	Department of Transportation	OSHA:	Occupational Safety and Health Administration
DSL:	Canadian Domestic Substances List	PEL:	Permissible Exposure Limits
EmS:	Emergency Medical Goods Services	ppm:	Parts Per Million
EPA:	Environmental Protection Agency	SARA:	Superfund Amendment and Reauthorization Act
°F:	Degrees Fahrenheit	STEL:	Short-Term Exposure Limit
FDA:	Food & Drug Administration	SDS:	Safety Data Sheet
g/l:	Grams per Liter	SDWA:	Safe Drinking Water Act
HAPs:	Hazardous Air Pollutants	TLV:	Threshold Limit Value
Hg:	Mercury	TRI:	Toxics Release Inventory
HMIS:	Hazardous Materials Identification System	TSCA:	Toxic Substances Control Act
HNOC:	Hazard(s) Not otherwise classified	TWA:	Time – Weighted Average
IARC:	International Agency for Research on Cancer	U.N.	United Nations
IATA:	International Air Transport Association	WHMIS:	Workplace Hazardous Materials Information System
ID:	Identification / Identity	>	Greater Than
IDLH:	Immediate Danger to Life or Health	<	Less Than
IMDG:	International Maritime Dangerous Goods	73/78:	1973 & 1978
LC:	Lethal Concentration		

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END SAFETY DATA

SHEET