


**MATERIAL SAFETY  
DATA SHEET**
**1. COMPANY AND PRODUCT IDENTIFICATION**

**DUNCAN ENTERPRISES**  
5673 East Shields Avenue  
Fresno, CA 93727  
559-291-4444  
559-291-9444 (Fax)

**EMERGENCY TELEPHONE NUMBERS**  
Health Emergency: 559-291-4444 7:00 am – 3:30 pm  
Pacific Standard 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 Type: Nontoxic Ceramic Glaze

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

The ingredients in this formulation are a trade secret. All ingredients in the formula are non-hazardous, unless specified in Sections 3 and 15.

**3. HAZARDS IDENTIFICATION**
**HMIS Hazard Ratings for Product**

Health:	1	0 = Minimal
Flammability:	0	1 = Slight
Reactivity:	0	2 = Moderate
Personal Protection:	See Section 8	3 = Serious
		4 = Severe
		* = Chronic Effects

**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.

**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:	Nonflammable
Flash Point:	Not Applicable
Upper Explosive Limit (%):	Not Applicable
Lower Explosive Limit (%):	Not Applicable
Extinguisher Media:	Product is nonflammable – 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 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

**Eye Protection Requirements:** Wear safety glasses with side shields  
**Glove Requirements:** Gloves are 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:** 32°F  
**Melting Point:** 1800°F  
**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 Hazard Class:** 0 = Insignificant  
**Hazardous Decomposition Products:** Avoid fumes when firing  
**Hazardous Polymerization:** Will not occur  
**Conditions to Avoid:** None Known

Page 2 of 4

## 11. TOXICOLOGICAL INFORMATION

### Short – Term Effects of Exposure

Routes of Entry:      Inhalation: No      Skin Contact: No      Ingestion: Yes

Acute Effects – Eye:      Abrasive, can scratch eyes

Acute Effects – Skin Contact: No hazard in normal industrial use.\*

Acute Effects – Inhalation: No hazard in normal industrial use.

Acute Effects – Ingestion: No hazard in normal industrial use.

\* Intentional skin contact with this product for the purpose of creating hand or foot imprints poses no known health risks.

### 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.

## 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

**16. OTHER INFORMATION (Continued)**

**Table of Abbreviations (Continued)**

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
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

**Creation Date:** 07/00  
**Revision Date:** 10/13/05  
**Technical Contact:** Candi Prado  
Senior R&D Specialist  
Duncan Enterprises  
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.