

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:

Spill and Off-Hour Health Emergencies: 80

559-291-4444 7:00 am – 3:30 pm Pacific Standard Time

800-424-9300 U.S. and Canada 703-527-3887 Outside U.S. and Canada (Collect)

Product Name: Product Type: **DUNCAN CRYSTALS & CRACKLES[™] GLAZES** 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

e Section 8

0 = Minimal 1 = Slight 2 = Moderate 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.

Innalation: Wove subject to nesh all.

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: Flash Point: Upper Explosive Limit (%): Lower Explosive Limit (%): Extinguisher Media:	Nonflammable Not Applicable Not Applicable Not Applicable 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: Handling / Storage: Ventilation Requirements: 40° - 100°F Protect from freezing; keep container sealed when not in use 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: pH: Boiling Point: Freezing Point: Melting Point: Solubility in Water: Specific Gravity (Water = 1): Bulk Density: Evaporation Rate (Water = 1): Vapor Pressure: Autoignition Temperature: Flash Point: Oxidizing Properties:

Colored liquid. Odorless 7 - 10 212°F 32°F1800°F Miscible 1.3 - 1.8 10.8 - 15.0 lb / gal 1 17.5 mm Hg @ 20°C (68°F) Not Applicable Not Applicable Not Applicable

10. STABILITY AND REACTIVITY

Stability: Incompatible Materials: NFPA Reactivity Hazard Class: Hazardous Decomposition Products: Hazardous Polymerization: Conditions to Avoid: Stable None known 0 = Insignificant Avoid fumes when firing Will not occur None Known Page 2 of 4

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11. TOXICOLOGICAL INFORMATION

Short – Term Effects of Exposure				
Routes of Entry: Inhala	tion: No	Skin Contac	t: No	Ingestion: Yes
Acute Effects – Eye: Acute Effects – Skin Contact Acute Effects – Inhalation: Acute Effects – Ingestion:	: No hazard in No hazard in	n scratch eyes normal industria normal industria normal industria	l use.	
Effect of Chronic Exposure: This product should be considered non – hazardous and has no known chronic effects.				
Target Organs: Carcinogenicity:	Not applicabl		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: DOT Hazard Class: DOT Reportable Quantity: Glazes or Stains, Ceramic or Pottery, Artists or Hobbyists Liquid 88690 Sub. 1 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

- ANSI American National Standards Institute
- **ASTM** American Society for Testing Materials
- °C Degrees Centigrade
- CAS Chemical Abstract Service

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16. OTHER INFORMATION (Continued)

Table of Abbreviations (Continued)

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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

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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.