



Safety Data Sheet

1. COMPANY AND PRODUCT IDENTIFICATION

Duncan Enterprises
5673 East Shields Avenue
Fresno, CA 93727
559-291-4444
559-291-9444 (Fax)
www.duncan.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 SY546 Fired Snow
Product Use/Description: Ceramic Product
Restrictions on use: None known.

2. HAZARDS IDENTIFICATION

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

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): This mixture does not meet the criteria for classification.

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:	Seek fresh air. Consult a physician if symptoms persist.
On Skin Contact:	Wash affected 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 2 glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.
Medical Advice:	Treat symptomatically.
Special Treatment Needed:	None required.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Suitable extinguishing media: CO₂, dry chemical, foam – Sue fire extinguishing media appropriate for

	surrounding fire.
Unsuitable extinguishing media:	No data.
Protection of Firefighters	
Specific hazards arising from the chemical:	N/A
Protective equipment for firefighters:	See section 8 of this SDS.
Special precautions for fire fighters:	None required.
Will hazardous combustion occur?:	Will not occur.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Ensure adequate ventilations.
Environmental Precautions:	No data.
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:	No data.

7. HANDLING AND STORAGE

Safe Storage:	Store between 40° - 100°F
Safe Handling:	Protect from freezing; keep container sealed when not in 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 are not normally required for foreseeable conditions of use.
Skin Protection:	Protective clothing is normally not required for foreseeable conditions of use.
Thermal Protection:	No data.
General Safety and Hygiene Measures:	Good hygiene practices should always be followed.
Further Information:	None.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance:	Paste
Color:	White
Odor:	Odorless
Odor Threshold:	No data.
pH:	7 – 10
Boiling Point/Range:	212°F
Melting Point/Range:	Approx. 0°C (32°F)
Flash Point:	N/A

Evaporation Rate:	1 (Water=1)
Vapor Density:	11.37 – 12.5 lb./gal
Solubility(ies):	Miscible in water.
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:	N/A

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions to Avoid:	None known.
Incompatible Materials:	None known.
Hazardous Decomposition Products:	Avoid fumes when firing.
Possibility of Hazardous Reactions:	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:	This product should be considered non-hazardous and has no known chronic effects.
Information on toxicological effects:	None.
Delayed or Immediate effects:	No data.
Germ Cell Mutagenicity:	No data.
Specific target organ toxicity (single exposure):	No data.
Specific target organ toxicity (repeated exposure):	No data.
Chemicals listed on NTP, IARC or OSHA as a Carcinogen?:	Not considered a carcinogen by IARC, NTP or OSHA.

<u>Chemical Name:</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Inhalation LC50</u>	<u>Percentage</u>
X	X	X	X	X

*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.
Hazardous waste code:	None
Contaminated packaging:	Empty containers may contain product residue; Follow SDS and label warnings even after they have been emptied.

14. TRANSPORTATION INFORMATION (NON-MANDATORY)

	DOT	IMDG	IATA
UN/ID number:	88690 Sub 1	Not regulated.	Not regulated.
Proper shipping name:	Glazes or Stains, Ceramic or Pottery Artists or Hobbyists Liquid		
Transport hazard class:	No data		
Packing group (if applicable):	No data		
Environmental Provisions:	No data.		
Special Precautions:	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: X	IATA; IMDG: X	Marine Pollutant: X
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15. REGULATORY INFORMATION (NON-MANDATORY)

US Federal Regulations:					
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):		All items are listed on the TSCA Inventory.			
CERCLA (Superfund) reportable quantity (lbs.) (40 CFR 302.4)		Not regulated.			
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):		Not regulated.			
Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):		Not regulated.			
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:		Not regulated.			
SARA 311/312 (40 CFR 370) Hazardous Chemical:		Not regulated.			
SARA 313 (TRI reporting):		<u>Chemical Name:</u> X	<u>CAS Number:</u> X	<u>% by wt.</u> X	
Drug Enforcement Administration (DEA) (21 CFR 1308.11-15):		Not regulated.			

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (Haps) List:	Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):	Not regulated.
Safe Drinking Water Act (SDWA):	Not regulated.
Canadian Domestic Substances List (DSL):	Not regulated.

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

The recommendations and information contained in this SDS have been compiled from sources believed to represent the most current information available when the SDS 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