



Leslie Ceramic Supply – Material Safety Data Sheet (MSDS)

SECTION I PRODUCT IDENTIFICATION

Identity/Trade Name: Leslie Happy Engobes Liquid Ceramic Engobe Glazes

Manufacturer: Leslie Ceramic Supply Co., Inc.
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SECTION II HAZARDOUS INGREDIENTS

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV	Approx. %
None. Product sold and used in liquid form only.				

Notice: Many glaze components are present as frit (CAS# 65997-18-4). "Frit is a mixture of inorganic chemical substances produced by rapidly quenching a molten, complex combination of materials, confining the chemical substances thus manufactured as non-migratory components of glassy solid flakes or granules." (from US-EPA/TSCA description). In this form, individual compounds are present as part of a largely insoluble matrix.

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point:	212 F/100 C	Specific Gravity:	1.4 – 1.6
Vapor Pressure:	N/A	Melting Point:	Approx. 2200 F
Vapor Density:	N/A	Evaporation Rate:	N/A
Solubility in Water:	Insoluble	Appearance and Odor:	Thick colored slurry w/ no odor

SECTION IV FIRE AND EXPLOSION HAZARDS

Flash Point:	Non-Flammable	Flammable Limits:	N/A
Extinguishing Media:	None – Will not burn	Special Fire Fighting Procedures:	None

Unusual Fire and Explosion Hazards: **None**

SECTION V REACTIVITY DATA

Stability:	Stable	Conditions to Avoid:	None
Incompatibility (Materials to Avoid):	N/A	Hazardous Polymerization:	Will not occur

Hazardous Decomposition or Byproducts: **N/A**

SECTION VI HEALTH HAZARD DATA

Routes of Entry: Inhalation:	Not in wet form	Carcinogenicity: NTP:	No
Skin:	No	IARC Monographs:	No
Ingestion:	Yes	OSHA Regulated:	No
Eye:	Yes		

Signs and symptoms of exposure: **N/A**
Medical conditions aggravated by Exposure: **N/A**

Health Hazards (acute and Chronic): **Eye Irritant**

Emergency and First Aid Procedures: **Eye Contact:**

Gently but persistently flush water for 15 minutes. If irritation persists, seek medical attention.

Skin Contact:

Wash with soap and water.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

Steps taken in case Material is released or spilled	Clean up with wet sponge or mop. Do not sweep dried glaze; this will create dust.
Waste disposal method	Small amounts of spilled material can be washed down sink. Large spills should be collected in an appropriate container, and disposed of by local waste handling agency.
Precautions to be taken in Handling and storage	Keep out of reach of young children.
Other precautions	Do not allow dried glaze to become airborne as dust.

SECTION VIII CONTROL MEASURES

Respiratory protection	Use NIOSH approved respirator if dust or mist is generated (i.e. spraying).
Eye protection	Recommended if splashing could occur or spraying.
Protective gloves	Recommended in cases where irritation could occur.
Other protective measures	None
Ventilation	Mechanical exhaust required if material is sprayed.
Work/Hygienic practices	Wash hands before eating, drinking or smoking

SECTION IX FIRST AID PROCEDURES

Skin:	Wash with soap and water.
Eyes:	Gently but persistently flush with water for 15 minutes. If irritation persists, seek medical attention.
Ingestion:	If swallowed, seek medical attention. Do not induce vomiting.

SECTION X ADDITIONAL INFORMATION

Notice: The information presented herein has been compiled from sources believed to be dependable, and is to the best of our knowledge accurate, but Leslie Ceramics makes no warranty, expressed or implied, that it is so. It is intended for the use by persons at their own discretion and risk. Because Leslie Ceramics cannot control the end use of this product, the company assumes no liability in connection with the use of this information.