

SDS
Lead Free Enamel
LCE-4 Green



Thompson Enamel

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SECTION 1: Identification of the substance/mixture and of the company

Product Name: Liquid Form Brushable Enamels

Identified uses: For enameling

Synonyms: Enamel

Supplier: Thompson Enamel

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Bellevue, Ky. 41073 U.S.A.

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SECTION 2: Hazards identification

Although these products may contain elements which have low TLV (threshold limit value) as soluble metal ions, this product has been formed at high temperatures and do not necessarily have any of the properties of their component oxides or metals.

SECTION 3: Composition/Information on ingredients

The specific chemical identities are being withheld as a trade secret (29CFR1910.1200).

Frit, with CAS#65997-18-4 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. These components are present as part of the Frit.

Chemical	Cas #	%
Silica	14808-60-7	Proprietary
Borax	1303-96-4	Proprietary
Barium Carbonate	513-77-9	Proprietary
Fluorspar	14542-23-5	Proprietary
Lithium Carbonate	554-13-2	Proprietary
Soda Ash	497-19-8	Proprietary
Sodium Nitrate	7631-99-4	Proprietary
Sodium Silicofluoride	16893-85-9	Proprietary
Sodium Antimonate	15432-85-6	Proprietary
Titanium	13463-67-7	Proprietary
Zircon	14940-68-2	Proprietary
Clay	1332-58-7	Proprietary
Natrasol	9004-62-0	Proprietary
Potassium Carbonate	584-08-7	Proprietary
Zirconium Silicate	10101-52-7	Proprietary
Aluminum Silicate	12068-56-3	Proprietary
Chromium Oxide Green	1308-38-9	Trace

SECTION 4: First aid measures

Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air. If irritation develops, call a physician. Prolonged exposure may cause irritation to respiratory tract.
First-aid measures after eye contact: Dust may irritate eyes. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion: Rinse mouth. Do not induce vomiting. For large amounts, call the Poison Control Center.

SECTION 5: Firefighting measures

This product is not combustible or explosive.
Fire hazard: None
Explosion hazard: None
Reactivity: None

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures
General measures: Avoid breathing (vapor, mist). Use in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice.
Methods and material for containment and cleaning up: If not contaminated, scoop up and use. If contaminated, sweep up and discard in trash can.

SECTION 7: Handling and storage

Precautions for safe handling: Keep out of reach of children. Avoid breathing mist, spray, vapors.
Use in a well-ventilated area. Wear recommended personal protective equipment.
Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures.
Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work area.
Storage: Store in a dry area away from food.

SECTION 8: Exposure Controls/Personal protection

Personal protection: Ensure adequate ventilation, especially in confined areas. Use NIOSH approved dust respirator if 15mg/M³ (for inert or nuisance dust) working conditions are exceeded.
Insufficient ventilation: wear respiratory protection.
Use judgment-avoid getting enamel in eyes.

SECTION 9: Physical and chemical properties

Physical state: Solid
Appearance: Powder
Color: Various
Odor: Odorless glass, except for some reds and yellows which may give off a slight odor when fired.
Melting point: >850°

SECTION 10: Stability and reactivity

Chemical Stability: Stable
Reactivity: Nonreactive.

SECTION 11: Toxicological information

Information on toxicological effects: Conforms to ASTM D-4236
Serious eye damage/irritation: Potential for irritation is not considered severe enough to warrant classification given the intended use of this product.
Respiratory or skin sensitisation: None
Skin corrosion: None
Carcinogenicity: None

SECTION 12: Ecological information

No specific ecological data available for this product.

SECTION 13: Disposal considerations

Waste disposal recommendations: Trash can.

SECTION 14: Transportation information

This product is not Department of Transportation (DOT) regulated.

This product is not TDG (Canada) regulated.

SECTION 15: Regulatory information

N/A

SECTION 16: Other information

References

DOT Department of Transportation

OSHA Occupational Safety and Health Administration

CAS Chemical Abstracts Service

TSCA Toxic Substances Control Act

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

The information and recommendations contained in this SDS have been compiled from sources believed to be reliable and to represent current opinion on the subject when the SDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.

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