

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF SUBSTANCE AND COMPANY PREPARING INFORMATION

Identity: Fun Strokes Code: FS2300-2399 Uses: Glaze for ceramic use. Manufacturer's Name: Gare Inc., Address: 165 Rosemont St., Haverhill, MA 01832 Tel Phone: 978-373-9131 Emergency Tel: Regional Poison Control Center

SECTION 2 - HAZARD IDENTIFICATION

Mixture is considered non-hazardous. Contains small amounts of potential carcinogens: crystalline silica (quartz) may be present in clay (1-2% in product). A few pigments may contain a very small amount of bound cadmium (<.0.5%). Other ingredients present at 99% have unknown acute toxicity.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Fun Strokes are non-hazardous water based mixtures of ceramic material containing non- leaded frits, clay and other minerals and color pigments (see next page).

<u>Ingredients</u>	<u>CAS #</u>	<u>Ranges of Percentages</u>
Water	7732-18-5	48.2%- 53.6%
Frit	65997-18-4	32.8%- 37.3%
Clay/Kaolin	1332-58-7	4.2%- 5.3%
Zinc Oxide	1314-13-2	0.0%- 0.2%
Zirconium Silicate	14940-68-2	0.0%- 9.6%
Nepheline Syenite	37244-96-5	0.0%- 4.1%
Calcium Carbonate	471-34-1	0.0%- 1.9%
Bentonite	1302-78-9	0.5%- 0.6%
Carboxymethylcellulose	9004-34-2	0.8%- 1.0%
Pigments	varies	varies

SECTION 4 – FIRST-AID MEASURES

Inhalation: May cause irritation. Remove from exposure. Skin: May cause irritation, Wash skin with soap and water. Eye: May cause irritation, Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician. Ingestion: Contact a physician.

SECTION 5 – FIRE-FIGHTING MEASURES

Special Fire-Fighting Procedure – None Unusual Fire or Explosion Hazards - None Extinguishing Media – None Hazardous Combustion Products – None

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: None Methods for containment and clean up:
None

SECTION 7 – HANDLING AND STORAGE

When used according to the label directions and fired in a ceramic kiln they produce a smooth glaze (glass-like) finish on formed and bisqued ceramic articles.

Precautions for safe handling- None Procedure/Equipment - None
Conditions for safe storage- None Work Practices - None
Procedures for Leaks or Spills – None

SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits - These non-hazardous liquids are water based mixtures of ceramic material containing non-leaded frits, clay, and other minerals and color pigments. These mixtures have no TLV or PEL. Engineer Control – Adequate ventilation (local exhaust) if sprayed.

Personal Protective Equipment - For spray application—eye protection and respirators and protective clothing such as aprons.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance – Colored liquid

Odor and Odor Threshold – Negligible

Flammability–None

pH – N/A Melting pt/Freezing pt – N/A

Boiling Point/Boiling Range - None

Vapor Pressure – N/A

Vapor Density – N/A

Melting/Softening Point – N/A

Specific Gravity – Unknown

Upper/Lower Explosive Limits - None

Partition Coefficient (Octanol/H₂O)-None

Flash Point - None

Decomposition Temperature - None

Relative Density – N/A

Solubility in Water - Partial Viscosity – N/A

Evaporation Rate - None

Auto-Ignition Temperature - None

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability–Stable

Hazardous Decomposition Products – N/A

Incompatible Material – None

Hazardous Reactions - None

Conditions to Avoid - Fumes from firing in kiln.

SECTION 11 – TOXICOLOGICAL INFORMATION

Primary Route of Entry – Dermal, Inhalation - If sprayed (NOT RECOMMENDED).

Hazard to Humans - None during normal use (non- spray use).

Animal Experiment - Acute – None

Chronic/Other - None if not inhaled.

Additional Information - This mixture contains a small amount of silica (1-2%), a known carcinogen (by inhalation). A few pigments contain small amounts of cadmium, (<0.5%) also a known carcinogen by inhalation. This chemical mixture, in water, should be non-toxic during recommended use.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity - None

Biodegradability - No

Mobility in Soil - No

Persistence -Yes

Bioaccumulation - No

Other adverse effects - None

SECTION 13 – DISPOSAL INFORMATION

Follow Local, State And Federal Regulations.

SECTION 14 – TRANSPORTATION INFORMATION

UN Number - None

UN Proper Shipping Name - None

Transportation Hazard Class – N/A

Packing Group - None

Environmental Hazard - None

Special Precautions - None

SECTION 15 --REGULATORY INFORMATION

Silica (quartz) and cadmium are listed by California Proposition 65. Silica (quartz), and cadmium are listed on the IARC, OSHA, or NTP carcinogen list. All ingredients are on U.S. TSCA inventory. SARA Section 313 – None See local requirements. Conforms to ASTM D-4236. This material has been evaluated under the provisions of LHAMA (Labeling of Hazardous Art Materials Act). This product is judged to be non-toxic and non-flammable under proposed use conditions. No special warning is required under the provisions of LHAMA or California Proposition 65.

SECTION 16 - OTHER INFORMATION

Date Prepared: December 23, 2020 Replaces SDS dated: April 4, 2019

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF SUBSTANCE AND COMPANY PREPARING INFORMATION

Identity: Fun Strokes Fleckles Code: FS2400-2420 Uses: Glaze for ceramic use. Manufacturer's Name: Gare Inc., Address: 165 Rosemont St., Haverhill, MA 01832 Tel Phone: 978-373-9131
Emergency Tel: Regional Poison Control Center

SECTION 2 - HAZARD IDENTIFICATION

Contains potential carcinogen: crystalline silica (quartz) may be present in clay. A few pigments may contain very small amounts of bound cadmium. Other ingredients present at 99% have unknown acute toxicity.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Fun Strokes Fleckles are non-hazardous water based mixtures of ceramic material containing non-leaded frits, clay, and other minerals and color pigments (see below).

<u>Ingredients</u>	<u>CAS #</u>	<u>Ranges of Percentages</u>
Water	7732-18-5	48.2%- 53.6%
Frit	65997-18-4	32.8%- 37.3%
Clay/Kaolin	1332-58-7	4.2%- 5.3%
Zinc Oxide	1314-13-2	0.0%- 0.2%
Zirconium Silicate	14940-68-2	0.0%- 9.6%
Nepheline Syenite	37244-96-5	0.0%- 4.1%
Calcium Carbonate	471-34-1	0.0%- 1.9%
Bentonite	1302-78-9	0.5%- 0.6%
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Pigments	varies	varies

SECTION 4 – FIRST-AID MEASURES

Inhalation: May cause irritation, remove from exposure. Skin: May cause irritation, Wash skin with soap and water. Eye: May cause irritation, Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician. Ingestion: Contact a physician.

SECTION 5 – FIRE-FIGHTING MEASURES

Special Fire-Fighting Procedure – None

Unusual Fire or Explosion Hazards - None

Extinguishing Media – None

Hazardous Combustion Products - None

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: None

Methods for containment and clean up: None

SECTION 7 – HANDLING AND STORAGE

When used according to the label directions and fired in a ceramic kiln they produce a smooth glaze (glass-like) finish on formed and bisqued ceramic articles.

Precautions for safe handling- None

Procedure/Equipment - None

Work Practices - None

Conditions for safe storage- None

Procedures for Leaks or Spills - None

SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits - These non-hazardous liquids are water based mixtures of ceramic material containing non-leaded frits, clay, and other minerals and color pigments. These mixtures have no TLV or PEL. Engineer Control – Adequate ventilation (local exhaust) if sprayed.

Personal Protective Equipment - For spray application—eye protection and respirators and protective clothing such as aprons.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance – Colored liquid

Odor and Odor Threshold – Negligible

Flammability—None

pH – N/A Melting pt/Freezing pt – N/A

Boiling Point/Boiling Range - None

Vapor Pressure – N/A

Vapor Density – N/A

Melting/Softening Point – N/A

Specific Gravity – Unknown

Upper/Lower Explosive Limits - None Partition

Coefficient(Octanol/H₂O)-NA Flash Point - None Decomposition

Temperature - None Relative Density – N/A

Solubility in Water - Partial

Viscosity – N/A

Evaporation Rate - None

Auto-Ignition Temperature - None

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability –Stable

Hazardous Decomposition Products – N/A

Incompatible Material – None

Hazardous Reactions - None

Conditions to Avoid - Fumes from firing in kiln.

SECTION 11 – TOXICOLOGICAL INFORMATION

Primary Route of Entry – Dermal, Inhalation - If sprayed (NOT RECOMMENDED). Hazard to Humans - None during normal use (non-spray use). Animal Experiment -

Acute – None

Chronic/Other - None if not inhaled.

Additional Information - This mixture contains silica, a known carcinogen (by inhalation). Some pigments contain cadmium, a known carcinogen. This chemical mixture, in water, should be non-toxic during recommended use.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity - None

Biodegradability - No

Mobility in Soil - No

Persistence -Yes

Bioaccumulation - No

Other adverse effects - None

SECTION 13 – DISPOSAL INFORMATION

Follow Local, State And Federal Regulations.

SECTION 14 – TRANSPORTATION INFORMATION

UN Number - None

UN Proper Shipping Name - None

Transportation Hazard Class – N/A

Packing Group - None

Environmental Hazard - None

Special Precautions - None

SECTION 15 --REGULATORY INFORMATION

Silica (quartz) and cadmium are listed by California Proposition 65. Silica (quartz) and cadmium are listed on the IARC, OSHA, or NTP carcinogen list. All ingredients are on U.S. TSCA inventory. SARA Section 313 – None See local requirements. Conforms to ASTM D-4236. This material has been evaluated under the provisions of LHAMA (Labeling of Hazardous Art Materials Act). This product is judged to be non-toxic and non-flammable under proposed use conditions. No special warning is required under the provisions of LHAMA or California Proposition 65.

SECTION 16 - OTHER INFORMATION

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