



Safety Data Sheet 2023

Manufacturer / Distributor Information: 5 Star Finishes Ltd #900 2025 Willingdon Ave, Burnaby BC, Canada Telephone: (778) 682 4287 Prepared Aug, 2023 by 5 Star Finishes Ltd www.5starfinishes.ca

Product Identifier

SECTION 1. IDENTIFICATION

Product Identifier Liquid Metal Decorative Plaster Binder
Other Means of Identification Liquid Metals
Recommended Use Interior use
Restrictions on Use Do not use on floors, swimming pools, shower stalls
Initial Supplier Identifier 5 Star Finishes Ltd
Emergency Telephone Number 778 682 4287

SECTION 2. HAZARD IDENTIFICATION

Classification Not Classified
Label Elements
Signal Word
Hazard Statements

Other Hazards

Prevention

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration
INERT		30-60
Water Softened	7732-18-5	41

Ethanol	64-17-5	.1-1
Silica Fume	112945-52-5	.1-1

Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

Section 4 - First Aid Measures

INHALATION - If product solids are inhaled either as dust or in the form of a spray mist, remove the person from exposure immediately. If breathing is difficult, irregular, or has stopped, start resuscitation; call a physician. Administer oxygen if a qualified operator is available.

EYE CONTACT - In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, quickly remove them, then flush the eyes with water. Have a physician examine the eyes.

SKIN CONTACT - In case of skin contact, remove contaminated clothing. Flush the skin with large amounts of water, then wash the skin with soap and water. Call a POISON CENTER or doctor/physician if you feel unwell.

INGESTION - If material is ingested, seek immediate medical attention. Rinse mouth thoroughly. Do not induce vomiting.

Notes to Physician: Symptoms may be delayed.

Section 5 - Fire Fighting Measures

Flash Point: > 94 C (>201 F)

LEL: UEL:

Flammable Limits:

EXTINGUISHING MEDIA: Use carbon dioxide (CO₂), "alcohol" foam, dry chemical, or water spray/water fog extinguishing systems.

UNUSUAL FIRE OR EXPLOSION HAZARDS: The product vapor is heavier than air and may travel a considerable distance to a source of ignition and flashback.

HAZARDOUS COMBUSTION PRODUCTS: See section 10 for a list of hazardous decomposition products for this mixture.

FIRE FIGHTING: If evacuation of personnel is necessary, evacuate to an upwind area. Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

FIRE FIGHTING EQUIPMENT: Firemen and emergency responders: wear full turnout gear or Level A equipment, including positive-pressure, self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

SPILL AND LEAK PROCEDURES: Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Remove all ignition sources. Keep nonessential personnel away from the contaminated area.

SMALL SPILLS: Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Use an absorbent like sawdust for aqueous, waterborne, and solvent-borne coatings.

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for all wastes except wastes which contain acid. Use suitable plastic containers for acid-bearing wastes.

Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

LARGE SPILLS: Prevent this material from entering sewers and watercourses by diking or impounding the spilled material. Advise authorities if the product has entered or may enter, sewers, watercourses, or extensive land areas. Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Use an absorbent like sawdust for aqueous, waterborne, and solvent-borne coatings.

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for all wastes except wastes which contain acid. Use suitable plastic containers for acid-bearing wastes.

Label the waste container. Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

Section 7 - Handling and Storage

HANDLING PRECAUTIONS: Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containers closed when not in use. Do not handle or store material near heat, sparks, open flames, or other sources of ignition. Store at room temperatures, i.e., 40 to 95 F (4 to 35 C).

STORAGE: Prevent from freezing. Do not store above 120 F (49 C).

Store only in original containers.

Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No. OSHA Exposure Limits ACGIH Exposure Limits Other Exposure Limits

Inert Not Established Not Established Not Established

Water softened

7732-18-5

No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

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Not Established

Ethanol

64-17-5

TWA 1,000 ppm TWA 1,000.000000 ppm

1,900 mg/m³

Not Established

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White viscous liquid
Odour	Mild amine odour
Odour Threshold	No information found
pH	7-9
Melting Point and Freezing Point	No information found
Initial Boiling Point and Boiling Range	212F
Flash Point	No information found
Evaporation Rate	No information found
Flammability (solid, gas)	Class A
Solubility in Water	Soluble in water
Solubility in Other Liquids	No information found
Partition Coefficient, n-Octanol / Water (Log Kow)	No information found
Auto-ignition Temperature	None
Viscosity	900-1800 mPas
VOC	42.5

Section 10 - Stability and Reactivity

Stability:

STABLE

Incompatibilities/Conditions to avoid: Elevated temperatures. Contact with oxidizing agent/oxidizers.

Hazardous Decomposition: Can produce Carbon Monoxide and/or Carbon Dioxide.

No Data Available

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Primary routes of entry: Inhalation, Skin contact.

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as

carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

Section 12 - Ecological Information

Component Ecotoxicity

Water softened Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Ethanol LC50 - Pimephales promelas (fathead minnow) - 14,200 mg/l - 96 h

LC50 - Ceriodaphnia dubia (water flea) - 5,012 mg/l - 48 h

NOEC - Daphnia magna (Water flea) - 9.6 mg/l - 9 d

EC50 - Chlorella vulgaris (Fresh water algae) - 275 mg/l - 72 h

Result: 95 % - Readily biodegradable

Section 13 - Disposal Considerations

Dispose in accordance with all applicable regulations.

Section 14 - Transport Information

This material is classified for transport as follows:

As cited in the IATA Dangerous Goods Handbook:

Section 3.3.1.3: Liquids described in Section 3.3.1.2 with a flash point exceeding 35°C which do not sustain combustion

need not be considered as flammable liquids for the purpose of these Regulations

(b) their fire point according to ISO 2592:1973 is greater than 100°C

Agency Proper Shipping Name UN Number Packing Group Hazard Class

ADR/RID Water Based Paint Unregulated Non Hazardous

DOT Water Based Paint Unregulated Non Hazardous

IATA Water Based Paint Unregulated Non Hazardous

IMDG Water Based Paint Unregulated Non Hazardous

SECTION 16. OTHER INFORMATION

Date of Latest Aug 8/2023

Revision

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