

SAFETY DATA SHEET

Issue Date 12-2-2014

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Version 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Gold Leaf - Superlite

Other Means of Identification

Product Code 718

Recommended Use of the Chemical and Restrictions on Use

Metallic Pigmented lacquer

Details of the Supplier of the Safety Data Sheet

Supplier Address

SHEFFIELD BRONZE PAINT CORP.
17814 S. WATERLOO RD.
CLEVELAND, OHIO 44119

Emergency Telephone Number

Company Phone Number 216-481-8330
Emergency Telephone 1-800-424-9300

2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids: Category 3
Acute Toxicity – Inhalation: Category 4
Serious Eye irritation: Category 2
Skin corrosion/irritation: Category 2
Germ Cell Mutagenicity: Category 1B
Carcinogenicity: Category 2
Specific target organ toxicity – single exposure: Category 3
Aspiration Toxicity: Category 1

Signal Word

DANGER

Symbols



Emergency Overview:

Physical State: Liquid
Color: Super Lite Gold
Odor: Characteristic

OSHA/HCS status:

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard Statements

H226: Flammable liquid and vapor.
H304: May be fatal if swallowed and enters airways.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H351: Suspected of causing cancer.

Precautionary Statements - Prevention

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P240: Ground and bond container and receiving equipment.
P241: Use explosion-proof equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P260: Do not breathe dust/fume/gas/mist/vapors/spray.
P264: Wash face, hands and any exposed skin thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements – Response

P302 + P332 + P313: IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.
P362 + P364: Take off contaminated clothing and wash it before reuse.
P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312: Call a POISON CENTER or doctor if you feel unwell.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313: If eye irritation persists: Get medical advice/attention.
P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331: Do NOT induce vomiting.
P330: Rinse mouth.
P370 + P378: In case of fire: Use dry chemical, CO₂, or Halon for extinction.
P308 + P313: If exposed or concerned: Get medical advice/attention.

Precautionary Statements – Storage

P403 + P233: Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Precautionary Statements – Disposal

P501: Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight - %
Xylene	1330-20-7	35 -45
Copper	7440-50-8	12 - 17
Styreneated Acrylic Resin Solids	25036-16-2	10 - 16
Ethylbenzene	100-41-4	9 - 13
Trimethylbenzene	95-63-6	3 - 6
Zinc	7440-66-6	2 - 6
m-Ethyltoluene	620-14-4	2 - 3
Additives	Proprietary	0 - 2
Cumene	98-82-8	0 - 1
Stearic Acid	57-11-4	0 - 1

The balance of the chemicals in this mixture are either considered nonhazardous or are below the listing limits for hazardous substances. These chemicals are considered trade secrets. The specific identity of these chemicals is available to health professionals.

4. FIRST AID MEASURES

First Aid Measures

- Eye Contact** **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses. Immediately flush eyes thoroughly with plenty of water for at least 15 minutes.
- Skin Contact** **IF ON SKIN:** Remove/Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Seek medical attention if irritation occurs.
- Inhalation** **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
- Ingestion** **IF SWALLOWED:** Clean mouth with water. Do NOT induce vomiting or give anything by Mouth to an unconscious person. Call a physician or poison control center immediately. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

Most Important Symptoms and Effects, both acute and Delayed

- Symptoms** Direct contact with eyes and skin causes serious irritation. May cause irritation to the Mucous membranes and upper respiratory tract. Choking, coughing and headache may occur. May cause irritation to the digestive tract. May be fatal if swallowed and enters Airway.

Indication of any Immediate Medical Attention and Special Treatment Needed

- Note to Physicians** Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry Chemical CO₂, Halon.

Unsuitable Extinguishing Media

Do not use water.

Specific Hazards Arising from the Chemical

Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst. Runoff to sewer may create fire or explosion hazard.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protective equipment as required. Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Methods and Material for Containment and Cleaning Up

Methods for Containment.	For small spills, absorb on poly-pads or other suitable non-reactive absorbent material. Prevent further leakage or spillage if safe to do so.
Methods for Cleaning	Eliminate all sources of ignition. Use non-sparking hand tools and explosion-proof electrical equipment. Sweep up and shovel into suitable containers for disposal. Discard Any product, residue, disposable container or liner in full compliance with federal, State and local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling & Storage

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Use only in well-ventilated areas. Do not breathe vapors or spray mist. Keep away from heat, sparks, flame and other sources of ignition. All equipment used when handling the product must be grounded.
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Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.
Incompatible Materials	Strong oxidizing agents, sparks or open flame.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Xylene 1330-20-7	TWA 100 ppm STEL 150 ppm	TWA 100 ppm TWA 435 mg/m ³	Data Not Available
Ethylbenzene 100-41-4	TWA 20 ppm	TWA 100 ppm 435 mg/m ³	TWA 435 mg/m ³
Trimethylbenzene 95-63-6	TWA 25 ppm	Data Not Available	Data Not Available
Cumene 98-82-8	TWA 50 ppm	TWA 20 ppm	Data Not Available
Copper 7440-50-8	TWA 1 mg/m ³ Dust	PEL 1 mg/m ³ Dust 0.1 mg/m ³ Fume	TWA 1 mg/m ³ Dust and mist.
Silicon Dioxide 7631-86-9	TWA 6 mg/m ³ Dust and mist.	Data Not Available	Data Not Available
Ethanol 64-17-5	STEL 1000 ppm	TWA 1000 ppm Vacated TWA 1900 mg/m ³	IDLH 3300 ppm TWA 1000 ppm TWA 1900 mg/m ³

Recommended monitoring procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or other biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Appropriate Engineering Controls: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and the using the bathroom and at the end of the working periods.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection

Avoid contact with eyes. Wear safety eyewear.

Skin and Body Protection

Wear suitable protective clothing. Use impervious gloves.

Respiratory Protection

Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Characteristic
Color	Super Lite Gold	Odor Threshold	Not determined

<u>Property</u>	<u>Values</u>		
pH	Not determined		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	280-295°F		
Flash Point	78° F		
Evaporation Rate	Slower than Ether		
Flammability (Solid, Gas)	n/a-liquid		
Upper Flammability Limits	Not determined		
Lower Flammability Limits	LEL= 1.7%		
Vapor Pressure	Not determined		
Vapor Density	Heavier than Air		
Specific Gravity	Not determined		
Water Solubility	Not determined		
Solubility in Other Solvents	Not determined		
Partition Coefficient	Not determined		
Auto ignition Temperature	Not determined		
Threshold Limit Value	100 ppm (for 8 hr. Workday)		
Decomposition Temperature	Not determined		
Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Heated drums can explode		
Oxidizing Properties	Not determined		
VOC Properties	5.79 lb/Gallon; 694 Grams/Litre		
Percent Volatile by:	Weight	Volume	Weight per Gallon
	61.59	81	9.4 lbs.

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children. Avoid all possible sources of ignition (spark or flame).

Incompatible Materials

Strong oxidizers, acids, peroxides, alkalies and halogenated hydrocarbons.

Hazardous Decomposition Products

In a fire: Carbon Monoxide, Carbon Dioxide and Hydrocarbons. Aluminum paints will react slowly with water to generate hydrogen.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Eye Contact Causes serious eye irritation. **Skin Contact** Causes severe skin irritation.

Inhalation May be harmful if inhaled. **Ingestion** May be fatal if swallowed and enters airways.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Xylene 1330-20-7	3500 mg/kg, rat	>4350 mg/kg, rabbit	29.08 mg/l, rat
Ethylbenzene 100-41-4	>3,500 mg/kg rat	15400 mg/kg, rabbit	17.2 mg/l, rat
1,2,4 – Trimethylbenzene 95-63-6	6900 mg/kg, mouse	Data not available	18000 mg/m3, rat 4 hrs.
Cumene 98-82-8	4000 mg/kg, rat 7hrs.	12300 ul/kg, rabbit 7hrs.	10 g/m3, mouse 7 hrs.
Silicon Dioxide 7631-86-9	>15000 mg/kg, mouse 5000 mg/kg, rat	2000 mg/kg, rat	Data not available
Stearic Acid 57-11-4	4.6 g/kg, rat	Data not available	Data not available
Copper 7440-50-8	Data not available	Data not available	Data not available
Zinc 7440-66-6	Data not available	Data not available	Data not available

Information on Physical, Chemical and Toxicological Effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity This product contains carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical Measures of Toxicity

Acute Toxicity Oral ATE:

12. ECOLOGICAL INFORMATION

Ecotoxicity

Material expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Styreneated Acrylic Lacquer Resin	EC50 (Daphia magna (water flea) 1 mg/l 24 hrs.	KC50 Oncorhynchus (mykiss) Rainbow Trout 2.6mg/l 96 hrs	Data not available	No data found
1,2,4 - Trimethylbenzene 95-63-6	LC50 17000 pg/l crustaceans	LC50 7720 pg/l Pimephales promelas 96 hrs.	Data not available	Data not available
Xylene 1330-20-7	Data not available	Data not available	Data not available	Data not available
Cumene 98-82-8	EC50 2600 pg/l, 48 hrs.	LC50 2700 pg/l Oncorhynchus mykiss 96 hrs.	Data not available	Data not available
Ethylbenzene 100-41-4	EC50 4600 pg/l 72 hrs.	LC50 4200 pg/l Oncorhynchus mykiss, 96 hrs.	Data not available	Data not available
Copper 7440-50-8	Data not available	LC50 0.0319-0.0544 mg/l, 96 hrs. Fathead minnow	EC50 0.036mg/l, 48 hrs. Water Flea	EC50 0.0076-0.026 mg/l 48 hrs.
Zinc 7440-66-6	Data not available	LC50 0.52-3.59 mg/l, 96 hrs. Bony fish superclass	Data not available	Data not available

Persistence and Degradability

Not determined

Bioaccumulation

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special Circumstances.

DOT UN 1263, Paint, Class 3 III

IATA Not Available

IMDG Not Available

TDG Not Available

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	AICS	NZ10C	ELINCS	ENCS	IECSC	KECL	PICCS
Cumene	Present	Present		Present	Present	Present		Present	Present	Present	Present
Ethylbenzene	Present	Present			Present	Present		Present	Present	Present	Present
1,2,4-Trimethylbenzene	Present	Present		Present	Present	Present	Present	Present	Present	Present	Present
Xylene	Present	Present									
m-Ethyltoluene	Present	Present			Present			Present	Present		Present
Copper	Present	Present		Present	Present	Present	Present	Present	Present	Present	Present
Zinc	Present	Present		Present	Present	Present	Present	Present	Present	Present	Present

Legend:

TSCA – United States Toxic Substances Control Act Section 8 (b) Inventory

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS – European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS – Japan Existing and New Chemical Substances

IECSC – China Inventory of Existing Chemical Substances

KECL – Korean Existing and Evaluated Chemical Substances

PICCS – Philippines Inventory of Chemicals and Chemical Substances

AICS – Australian Inventory of Chemicals and Chemical Substances

NZ10C – New Zealand Inventory of Chemicals and Chemical Substances

US Federal Regulations

TSCA Inventory:

All Components are listed or exempted.

California Prop 65: Warning! This product contains chemicals known to the State of California to cause cancer and reproductive toxicity.

Chemical Name	%	Cancer	Reproductive
Cumene 98-82-8	<1	Yes	No
Ethylbenzene 100-41-4	<1	Yes	No
Xylene 1330-20-7	<1	No	Yes

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS No	Weight-%
Xylene	1330-20-7	35 – 45 %
Ethylbenzene	100-41-4	9 – 13 %
1,2,4-Trimethylbenzene	95-63-6	3 – 6 %
Copper	7440-50-8	12 – 17 %
Zinc	7440-66-6	2 – 6 %

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Minnesota	Rhode Island
Xylene	X	X	X		
Ethylbenzene	X	X	X		
Cumene	X	X	X		
Copper	X	X	X		X
Zinc	X	X	X		X

16. OTHER INFORMATION

NFPA	Health Hazards Not determined	Flammability Not determined	Instability Not determined	Special Hazards Not determined
HMIS	Health Hazards 2	Flammability 3	Physical Hazards 0	Personal Protection H

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet