

# Safety Data Sheet

## Brushed Silver Glaze – D2012

SDS Revision Date:

10/11/2017

### 1. Identification

#### 1.1. Product identifier

**Product Identity** Brushed Silver Glaze– D2012  
**Alternate Names** Brushed Silver Glaze– D2012

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Intended use** Commercial mirroring.

#### 1.3. Details of the supplier of the safety data sheet

**Company Name** Angel Gilding  
1945 Gardner Rd.  
Broadview IL 60155 USA

#### Emergency

**24 hour Emergency Telephone** 708-383-3340

**Customer Service: Angel Gilding** 708-383-3340

### 2. Hazard(s) identification

#### Label elements



**Signal word** DANGER

#### GHS Ratings

Flammable liquid	3	Flash point < 23°C and initial boiling point > 35°C (95°F)
Skin corrosive	3	Reversible adverse effects in dermal tissue 2.3 < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Mutagen	1B	Known to produce heritable mutations in human germ Cells Subcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity
Carcinogen	1A	Known Human Carcinogen Based on human evidence
Reproductive toxin	1A	Based on human evidence

#### GHS Hazards

H225 Flammable liquid and vapor  
H315 Causes skin irritation  
H319 Causes serious eye irritation.  
H340 May cause genetic defects.  
H350 May cause cancer.  
H360 May damage fertility or the unborn child.

# Safety Data Sheet

## Brushed Silver Glaze – D2012

SDS Revision Date:

10/11/2017

### GHS Precautions

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	KEEP AWAY FROM HEAT/open flames/hot surfaces • No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ ventilating equipment.
P242	Use only non- sparking tools.
P243	Take precautionary measures against static discharge.
P264	WASH HANDS THOROUGHLY after handling
P280	WEAR PROTECTIVE GLOVES/protective clothing/eye protection/face protection
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P321	Specific treatment (see directions on this label)
P362	Take off contaminated clothing and wash before reuse
P302 + P352	IF ON SKIN: Wash with soap and water.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation persists: Get medical advice/attention.
P370+P378	IN CASE OF FIRE: Use dry chemical (BC) or carbon dioxide (CO2) for extinction
P405	Store locked up.
P403+P235	STORE IN A WELL VENTILATED PLACE. Keep cool.
P501	Dispose of contents/container in accordance with Local, State and Federal Regulations

### 3. Composition/information on ingredients

Chemical Name	CAS number	Weight Concentration
Ethyl acetate	141-78-6	80.00% - 90.00%
Diacetone alcohol	123-42-2	10.00% - 20.00%
Isopropyl acetate	108-21-4	1.00% - 5.00%
Aluminum	7429-90-5	0.10% - 1.00%
Ethyl alcohol	64-17-5	0.10% - 1.00%

# Safety Data Sheet

## Brushed Silver Glaze – D2012

SDS Revision Date:

10/11/2017

### 4. First aid measures

**INHALATION:** Remove to FRESH air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration, preferably mouth- to-mouth. GET MEDICAL ATTENTION IMMEDIATELY.

**EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention. Remove contact lenses if possible.

**SKIN CONTACT:** Flush skin with plenty of water while removing contaminated clothing and shoes. Do not reuse clothing or shoes until cleaned. If irritation develops or persists, get medical attention. Discard contaminated leather articles such as shoes and belt. Do not apply oils or ointments unless ordered by the physician.

**INGESTION:** If fully conscious, give two glasses of water, then induce vomiting by touching back of throat with finger. Keep head below hips to prevent aspiration of liquid into the lungs. CALL A PHYSICIAN immediately. Never induce vomiting or give anything by mouth to an unconscious victim.

**NOTE TO PHYSICIANS:** There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Individuals experiencing breathing difficulties after exposure to vapor generated in aerosol applications should be observed for at least 48 hours in case delayed respiratory complications develop.

### 5. Fire-fighting measures

**Flash Point:** -32C (90F)      **Lower Explosive Limit:** 1.0  
**Upper Explosive Limit:**

**Flammable Limits:** Highly flammable liquid and vapor (GHS Category 2)

**Extinguishing Media:** Alcohol Foam CO2 Dry Chemical Foam Water Fog

**Unusual Fire and Explosion Hazards:** Keep containers tightly closed. Isolate from heat, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Do not use when smoking or where electrical sparks or open flame is present.

**Hazardous Combustion Products:** Burning can produce carbon-dioxide and/or carbon monoxide.

**Fire Fighting:** Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

**Fire Equipment:** As in a fire, always wear self-contained breathing apparatus in pressure-demand (MSA/NIOSH approved or equivalent), and full protective gear.

### 6. Accidental release measures

**Spill and Leak Procedures:**

Spill supervisor: Ensure clean-up personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Remove all ignition sources. Keep nonessential personal away from the contaminated area.

# Safety Data Sheet

## Brushed Silver Glaze – D2012

SDS Revision Date:

10/11/2017

### Small Spills:

Absorb spilled liquid with sorbent pads, socks, or other inert material such as vermiculite, sand or earth.

### Large Spills:

Avoid run-off into sewers and ditches leading to waterways. Use only non-sparking tools and equipment. A vapor suppressing foam may be used. Approach the spill for upwind and place it in a suitable container. Disposal should be in accordance with Local, State and Federal Regulations.

## 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)

### Precautions to be taken in Handling and Storage: Grounding

When transferring, fill stem and container must be grounded and bonded. Store in a cool dry area with ventilation suitable for storing materials shown in section II. Keep away from heat, sparks and open flame. Do not cut, weld, braze, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition; they may explode and cause injury or death.

## 8. Exposure controls and personal protection

Chemical Name/CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Ethyl acetate 141-78-6	400 ppm TWA; 1400 mg/m <sup>3</sup> TWA	400 ppm TWA	NIOSH: 400 ppm TWA; 1400 mg/m <sup>3</sup> TWA
Diacetone alcohol 123-42-2	50 ppm TWA; 240 mg/m <sup>3</sup> TWA	50 ppm TWA	NIOSH: 50 ppm TWA; 240 mg/m <sup>3</sup> TWA
Isopropyl acetate 108-21-4	250 ppm TWA; 950 mg/m <sup>3</sup> TWA	20 ppm TWA 100 ppm TWA	Not Established
Aluminum 7429-90-5	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)	1 mg/m <sup>3</sup> TWA (respirable fraction)	NIOSH: 10 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable dust)
Ethyl alcohol 64-17-5	1000 ppm TWA; 1900 mg/m <sup>3</sup> TWA	1000 ppm STEL	NIOSH: 1000 ppm TWA; 1900 mg/m <sup>3</sup> TWA

### Engineering:

Ensure processing (curing) ovens are properly vented to prevent the introduction of processing fumes into the work place. Use explosion proof equipment and good manufacturing practice.

Sufficient ventilation, in volume and pattern, should be provided to keep air contamination below current applicable OSHA permissible exposure limit or ACGHI'S TLV limit.

**Other Precautions:** Provide respiratory protection against fumes generated during burning. Avoid prolonged contact with skin and breathing of vapors.

# Safety Data Sheet

## Brushed Silver Glaze – D2012

SDS Revision Date:

10/11/2017

**Protective Gear:** Niosh/Osha approved respirator types suitable for materials in section II recommended. Approved airline type respirators or hoods recommended in confined areas. Wear protective gloves/clothing/eye/face as required.

**Contaminated Gear:** Take off immediately any contaminated clothing and wash it before reuse.

### 9. Physical and chemical properties

<b>Appearance:</b>	Liquid dispersion	<b>Odor:</b>	Solvent
<b>Vapor Pressure:</b>	59.6 mmHg	<b>Odor Threshold:</b>	Not applicable
<b>Vapor Density:</b>	Heavier than air	<b>pH</b>	Not applicable
<b>Specific Gravity:</b>	0.91	<b>Melting Point:</b>	Not applicable
<b>Freezing Point:</b>	Not applicable	<b>Solubility:</b>	Not applicable
<b>Boiling Range:</b>	89 ° C	<b>Flash Point:</b>	-4 ° C, 25 ° F
<b>Evaporation Rate:</b>	Slower than ether	<b>Physical State:</b>	Liquid
<b>Autoignition Temperature</b>	Not applicable	<b>Decomposition Temperature</b>	Not applicable
<b>Viscosity:</b>	Not applicable	<b>Boiling Point:</b>	89 ° C
<b>VOC: Actual</b>	874 gr/ltr	<b>VOC: Actual</b>	7.29 lb/gl

### 10. Stability and reactivity

**Stability:**

**Components of this mixture are incompatible with the following materials:**

No data found

**This mixture is likely to exhibit the following combustions products:**

No data found

**Hazardous polymerization**

Will not occur

### 11. Toxicological information

**Mixture Toxicity:** Inhalation Toxicity LC 50: 1,165 mg/L

**Component Toxicity:**

141-78-6 Ethyl acetate  
Inhalation LC50: 1,500 ppm (Mouse)

123-42-2 Diacetone alcohol  
Oral LD50: 4 g/kg (Rat)

108-21-4 Isopropyl acetate  
Oral LD50: 3,000 mg/kg (Rat)

64-17-5 Ethyl alcohol  
Inhalation LC50: 125 mg/L (Rat)

# Safety Data Sheet

## Brushed Silver Glaze – D2012

SDS Revision Date:

10/11/2017

**Toxicological Information:** No data found

**ROUTES OF ENTRY:** Eye Contact, Ingestion, Inhalation, Skin Contact

**Exposure to this material may affect the following organs:**

Blood Eyes Liver Central Nervous System Reproductive System Skin Respiratory System

### **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

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
64-17-5	Ethyl alcohol	0.1 to 1.0%	Ethyl alcohol: IARC: Human carcinogen OSHA: listed

## 12. Ecological information

### **Component Ecotoxicity**

Ethyl acetate 96 Hr LC50 Pimephales promelas: 220 - 250 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 484 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 352 - 500 mg/L [semi-static]  
48 Hr EC50 Daphnia magna: 560 mg/L [Static]

Diacetone alcohol 96 Hr LC50 Lepomis macrochirus: 420 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 420 mg/L

Ethyl alcohol 96 Hr LC50 Oncorhynchus mykiss: 12.0 - 16.0 mL/L [static]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400 - 15100 mg/L [flow-through]  
48 Hr LC50 Daphnia magna: 9268 - 14221 mg/L; 48 Hr EC50 Daphnia magna: 2 mg/L [Static]

## 13. Disposal considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Dispose of container and unused contents in accordance with federal, state and local requirements.

# Safety Data Sheet

## Brushed Silver Glaze – D2012

SDS Revision Date:

10/11/2017

### 14. Transport information

	DOT	IMDG	IATA
14.1 UN/ID	UN1263	UN1263	UN1263
14.2 Proper shipping name	Paint	Paint	Paint
14.3 Hazard Class	3	3	3
14.4 Packing Group	II	II	II

### 15. Regulatory information

#### State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

**WARNING!** This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

64-17-5 Ethyl alcohol Carcinogen, Carcinogen

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and CFR Part 40:

7429-90-5 Aluminum

#### EU Risk Phrases

R10: Flammable

#### Safety Phrases:

S16: Keep away from sources of ignition – no smoking

### 16. Other information

Health hazards

2

Flammability

3

HMIS

Physical hazard

1

Personal Protection

1

Revision Date

October 11, 2017

#### Disclaimer

The information on this Safety Data Sheet (SDS) is based on the present state of our knowledge, current national legislation and guidelines. As the specific conditions of use of the product are outside the supplier's knowledge and control the user is responsible for ensuring that the requirements of relevant legislation are complied with. This SDS should not be construed as any guarantee of the technical performance or suitability for particular applications. UNLESS SUPPLIER AGREES OTHERWISE IN WRITING, SUPPLIER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. SUPPLIER WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

End of Safety Data Sheet