

# Safety Data Sheet

## Base Coat Resin – D2016

SDS Revision Date

8/30/2023

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY

#### 1.1. Product identifier

**Product Identity** Base Coat Resin – D2016  
**Alternate Names**

#### 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 Ltd  
1945 Gardner Rd.  
Broadview IL 60155 USA

#### Emergency

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

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

### SECTION 2 - HAZARDS IDENTIFICATION

NEPA Ratings, risks phrases and suggested HMIS Hazards Categories:

#### GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Reproductive toxin	2	Human or animal evidence possibly with other information

#### GHS Hazards

H225	Flammable liquid and vapor
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child.

#### 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/sparks/open flames/hot surfaces - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/light/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.
P281	USE PERSONAL PROTECTIVE EQUIPMENT as required.
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.
P337+P313	If eye 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.

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Dispose of contents/container in accordance with Local, State and Federal Regulations.

Signal Word: **Danger**



### SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Benzene, 1-chloro-4-(trifluoromethyl)-	98-56-6	40.00% - 50.00%
Acetone	67-64-1	20.00% - 30.00%
Diisobutyl ketone	108-83-8	5.00% - 10.00%
2-(1-Methoxy) Proxy Acetate	108-65-6	1.00% - 5.00%
2-Heptanone, 4,6-dimethyl-	19549-80-5	1.00% - 5.00%

### SECTION 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.

### SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: -20 C (-4 F)

LEL: 1.0%

UEL: N/A

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.

**Haz. Combust. Products:** Burning can produce carbon-dioxide and/or carbon monoxide.

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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.

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

Large Spills: Avoid run-off into storm sewers and ditches that lead to waterways. Use only non-sparking tools and equipment. A vapor suppressing foam may be used. Approach the spill from upwind and pick up absorbent material and place it in a suitable container. Disposal should be in accordance with Local, State, and Federal 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, 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.

### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Benzene, 1-chloro-4-(trifluoromethyl)- 98-56-6	Not Established	Not Established	25 ppm - 8 hour
Acetone 67-64-1	1000 ppm TWA; 2400 mg/m <sup>3</sup> TWA	750 ppm STEL 500 ppm TWA	NIOSH: 250 ppm TWA; 590 mg/m <sup>3</sup> TWA
Diisobutyl ketone 108-83-8	50 ppm TWA; 290 mg/m <sup>3</sup> TWA	25 ppm TWA	NIOSH: 25 ppm TWA; 150 mg/m <sup>3</sup> TWA
2-(1-Methoxy) Proxy Acetate 108-65-6	Not Established	Not Established	Not Established
2-Heptanone, 4,6-dimethyl- 19549-80-5	Not Established	Not Established	Not Established

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.

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

**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.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

This mixture typically exhibits the following properties under normal circumstances:

<p><b>Appearance</b> Liquid dispersion</p> <p><b>Vapor Pressure:</b> N/A</p> <p><b>Vapor Density</b> Heavier than air</p> <p><b>SG</b> 1.04</p> <p><b>Freezing point:</b> Not Applicable</p> <p><b>Boiling range:</b> 56 - 141°C</p> <p><b>Evaporation Rate</b> Slower than ether</p>	<p><b>Odor</b> Solvent Odor</p> <p><b>Odor threshold:</b> Not Applicable</p> <p><b>pH:</b> Not Applicable</p> <p><b>Melting point:</b> Not Applicable</p> <p><b>Solubility:</b> Not Applicable</p> <p><b>Flash point:</b> -20°C, -4°F</p> <p><b>Physical State</b> Liquid</p>
<p><b>Autoignition temperature:</b> Not Applicable</p> <p><b>Viscosity:</b> Not Applicable</p> <p><b>VOC: Regulatory</b> 3.01 lb/gal</p> <p><b>(@9 to 1)</b> 2.8 lb/gal</p> <p><b>VOC: Actual</b> 0.91 lb/gal</p> <p><b>(@9 to 1)</b> 1.04 lb/gal</p>	<p><b>Decomposition temperature:</b> Not Applicable</p> <p><b>Boiling Point</b> 56°C</p> <p><b>VOC: Regulatory</b> 360.62 gr/ltr</p> <p><b>(@9 to 1)</b> 335.48 gr/ltr</p> <p><b>VOC: Actual</b> 109.19 gr/ltr</p> <p><b>(@9 to 1)</b> 124.96 gr/ltr</p>

### SECTION 10 - STABILITY AND REACTIVITY

**Reactivity:** No specific test data related to reactivity available for this product or ingredients.

**Chemical stability:**

STABLE

**Conditions to avoid:** Avoid all sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. do not allow vapor to accumulate in low confined areas.

**Incompatible materials:** Reactive or incompatible with the following materials: Oxidizing materials

**Hazardous decomposition products:** This mixture is likely to exhibit the following combustion products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Hazardous polymerization will not occur.

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### SECTION 11- TOXICOLOGICAL INFORMATION

#### Mixture Toxicity

Inhalation Toxicity LC50: 55mg/L

#### Component Toxicity

98-56-6 Benzene, 1-chloro-4-(trifluoromethyl)-  
Oral LD50: 13 g/kg (Rat) Inhalation LC50: 33 mg/L (Rat)

Toxicological Information: No data found

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

Inhalation	Skin Contact	Eye Contact	Ingestion		
Exposure to this material may affect the following organs:					
Eyes System	Kidneys	Liver	Central Nervous System	Skin	Respiratory

#### Effects of Overexposure

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.

CAS Number	Description	% Weight	None	Carcinogen Rating	N/A
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### SECTION 12 - ECOLOGICAL INFORMATION

Ecological information: No data found.

#### Component Ecotoxicity Benzene, 1-chloro-4- (trifluoromethyl)-

48 Hr EC50 Daphnia magna: 3.68 mg/L	Acetone 96 Hr LC50 Oncorhynchus mykiss: 4.74 - 6.33 mL/L; 96 Hr LC50 Pimephales promelas: 6210 - 8120 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 8300 mg/L
	48 Hr EC50 Daphnia magna: 10294 - 17704 mg/L [Static]; 48 Hr EC50 Daphnia magna: 12600 - 12700 mg/L
Diisobutyl ketone	96 Hr LC50 Oncorhynchus mykiss: 140 mg/L [semi-static] 96 Hr EC50 Pseudokirchneriella subcapitata: 100 mg/L
2-(1-Methoxy) Proxy Acetate	96 Hr LC50 Pimephales promelas: 161 mg/L [static] 48 Hr EC50 Daphnia magna: >500 mg/L

### SECTION 13 - DISPOSAL CONSIDERATIONS

Material that cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. State and local disposal regulations may differ from federal disposal definitions found in 40 CFR 261.3. Dispose of container and unused contents in accordance with federal, state and local requirements.

### SECTION 14 - TRANSPORT INFORMATION

This material is classified for transport as follows:

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT	UN1263,PAINT	1263	II	3
IATA	UN1263,PAINT	1263	II	3
IMDG	UN1263,PAINT	1263	II	3

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### SECTION 15 - REGULATORY INFORMATION

Additional regulatory listings, where applicable.

**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:

- None

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

- None

**Country**

**Regulation**

**All Components Listed**

**EU Risk Phrases**

R10: Flammable

**Safety Phrase**

S16: Keep away from sources of ignition - No smoking

### SECTION 16 - OTHER INFORMATION

**Hazardous Material Information System (HMIS)**

**National Fire Protection Association (NFPA)**

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	1
PERSONAL PROTECTION	I

**HMIS & NFPA Hazard Rating Legend**  
\* = Chronic Health Hazard  
0 = INSIGNIFICANT  
1 = SLIGHT  
2 = MODERATE  
3 = HIGH



The information contained on this SDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.