

# Safety Data Sheet

## Section 1 - Identification



RETARDER / 3580

GOLDEN ARTIST COLORS, INC.  
188 BELL ROAD  
NEW BERLIN, NY 13411

Phone: (607)847-6154  
In US and Canada only: (800)959-6543

Prepared by: Regulatory Department

Product Use: Artist's Material

Not recommended for: Use by children

## Section 2 - Hazards Identification

### GHS Ratings:

There are no GHS ratings that apply to this product at this time

### GHS Hazards

There are no GHS hazards that apply to this product at this time

### GHS Precautions

There are no GHS precautions that apply to this product at this time

## Section 3 - Hazardous Composition

Chemical Name	CAS number	Weight Concentration %
Ammonium Hydroxide (28%)	1336-21-6	0.10% - < 1.00%

## Section 4 - First Aid

**Inhalation:** Remove subject to fresh air. Give artificial respiration if breathing has stopped. Seek medical attention.

**Eye:** Flush with water for 15 minutes. Remove contact lenses, if present and easy to do so. If symptoms develop and persist seek medical attention.

**Skin:** Wash with soap and water. Remove contaminated clothing. Seek medical attention for irritation.

**Ingestion:** If swallowed, dilute by giving 2 or more glasses of water to drink ONLY IF CONSCIOUS! Do not induce vomiting. Seek medical attention IMMEDIATELY.

## Section 5 - Fire Fighting

Flash Point: 104 C (219 F)

LEL: N/A

UEL: N/A

**Extinguishing Media:** Water, Foam, Carbon Dioxide, Dry Chemical, Powder. Do NOT use high pressure Water Spray, as this may spread the fire.

**Unusual Fire and Explosion Hazards:** Closed containers may rupture via pressure build-up when exposed to fire or extreme heat. During a fire, irritating and highly toxic gases and/ or fumes may generate during combustion or decomposition.

**Hazardous Byproducts:** Combustion will yield oxides of carbon and nitrogen, as well as, monomer fume.

**Fire Fighting Procedures:** Move containers promptly out of fire zone. If removal is impossible, keep containers cool with water spray. Remain upwind and avoid breathing smoke or fumes.

**Special Precautions:** Wear self-contained breathing apparatus and full protective gear.

## **Section 6 - Release**

**Personal precautions, protective equipment and emergency procedures:** Appropriate protective equipment must be worn when handling a spill of this material. See Section - 8 Exposure Control for recommendations. If exposed to material during clean-up operations, see Section 4 - First Aid for actions to follow.

**Environmental precautions:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Methods and materials for containment and clean-up:** Evacuate personnel to safe areas. Ventilate the area to dissipate vapor. Floor may be slippery; use care to avoid falling. Soak up spills with inert absorbent material. Sweep up and collect in suitable container for disposal. Avoid breathing vapor.

## **Section 7 - Handling**

**Precautions and safe handling:** Use only in well-ventilated areas. Avoid inhalation of vapors/spray and contact with skin and eyes. Wear appropriate personal protective equipment. Read label before use.

**Conditions for safe storage:** Store in a cool, well-ventilated place. Keep out of the reach of children.

## **Section 8 - Exposure Control**

<b>Chemical Name / CAS No.</b>	<b>OSHA Exposure Limits</b>	<b>ACGIH Exposure Limits</b>	<b>Other Exposure Limits</b>
Ammonium Hydroxide (28%) 1336-21-6	TWA 35 mg/m3 PEL, 50 ppm	TWA 18 mg/m3 TLV, 25ppm	Not Established

**Engineering Controls:** Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of possible vapor. Provide easy access to water supply, eye wash or emergency shower.

**General Hygiene Considerations:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Private clothes and work clothes should be kept separate.

**Personal Protective Equipment:** None required under normal use. For techniques requiring continual hand exposure, gloves are recommended. Safety glasses or goggles recommended when spraying.

## **Section 9 - Properties**

Properties listed are typical and not to be used as a specification.

<b>Appearance:</b> Liquid <b>Vapor Pressure:</b> Not available <b>Vapor Density:</b> Not available	<b>Odor:</b> Slight Amine <b>Odor threshold:</b> Not available <b>pH:</b> 8.7 - 9.0
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<b>Density:</b> 1.02 <b>Freezing point:</b> Not available <b>Boiling range:</b> Not available <b>Evaporation rate:</b> Not available <b>Explosive Limits:</b> Not available  <b>Auto ignition temperature:</b> Not available <b>Viscosity:</b> 2100 - 2700 cP	<b>Melting point:</b> Not applicable <b>Solubility:</b> Miscible <b>Flash point:</b> 104°C, 219°F <b>Flammability:</b> Not applicable <b>Partition coefficient</b> Not available <b>(n-octanol/water):</b> <b>Decomposition temperature:</b> Not available
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## **Section 10 - Reactivity**

Under normal conditions this mixture is considered to be:

STABLE

Materials that are known to be incompatible with this mixture and should be avoided, if applicable:

Not Applicable

Risk of hazardous decomposition:

Not Applicable

Hazardous polymerization will not occur.

## **Section 11 - Toxicology**

### **Mixture Toxicity**

Dermal Toxicity LD50: 3,748mg/kg

Inhalation Toxicity LC50: 1,215mg/L

### **Component Toxicity**

1336-21-6 Ammonium Hydroxide (28%)

Oral LD50: 350 mg/kg (RAT)

### **Possible routes of entry or exposure:**

Not Applicable

### **Possible target organs of exposure to this mixture:**

Not Applicable

### **Effects of Overexposure**

**Carcinogenicity:** This mixture as a whole has not been tested to determine its carcinogenic properties. The components of this mixture that are reported as possible or known carcinogens are as follows:

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			Not Applicable

## **Section 12 - Ecological Toxicity**

**Ecotoxicity:** This mixture as a whole has not been tested to determine its ecological toxicity. The components of this mixture with documented ecological data are as follows:

### **Component Ecotoxicity**

### **Section 13 - Disposal**

**Disposal Instructions:** Dispose as per local regulations. It is best to use all material, rather than dispose of it. If necessary, dispose of as latex paint.

### **Section 14 - Transport**

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing</u>	<u>Hazard Class</u>
DOT	Not Regulated			
IATA	Not Regulated			
IMDG	Not Regulated			

### **Section 15 - Regulatory**

**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:

Not Applicable

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
AUSTRALIA	AICS- Australian Inventory of Chemical Substances	Yes
CANADA	Domestic Substances List (DSL) and Non-Domestic	Yes
EUROPE	European Inventory of Existing Commercial Chemical	Yes
EUROPE	European List of Notified Chemical Substances	No
JAPAN	Inventory of Existing and New Chemical Substances	Yes
CHINA	Inventory of Existing Chemical Substances in China	Yes
KOREA	Korean Existing Chemicals Inventory (KECI)	Yes
NEW ZEALAND	New Zealand Inventory of Chemicals (NZIoC)	Yes
PHILIPPINES	Philippine Inventory of Chemicals and Chemical	Yes
USA	Active-Toxic Substances Control Act (TSCA) Inventory	Yes

### **Section 16 - Other Information**

While Golden Artist Colors, Inc. believes the data set forth herein is accurate as of the date hereof, Golden Artist Colors, Inc. makes no warranty with respect to the accuracy of this data and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation, and verification.

Date revised: 2022-03-23  
Date Prepared: 3/23/2022

Reviewer Revision 1