

# Safety Data Sheet

## 2-Part Spray Silver Reducer – C3030

SDS Revision Date:

03/27/23

### 1. Identification

#### 1.1. Product identifier

**Product Identity** 2-Part Spray Silver Reducer – C3030  
**Alternate Names** 2-Part Spray Silver Reducer – C3030

#### 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

#### 2.1. Classification of the substance or mixture

Skin corrosion/irritation Category 1 Sub-category A  
Serious eye damage/eye irritation Category 1

#### 2.2. Label elements



**Signal word** DANGER

#### HAZARD STATEMENTS

Causes severe skin burns and eye damage

#### PREVENTION

Do not breathe dusts or mists. Wash face, hands and any exposed skin thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.

#### RESPONSE

Get medical advice/attention if you feel unwell.

##### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

# Safety Data Sheet

## 2-Part Spray Silver Reducer – C3030

SDS Revision Date:

03/27/23

### Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician.

### Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

### Ingestion

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

### STORAGE

Store locked up.

### DISPOSAL

Dispose of contents/containers in accordance with local regulations.

### HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)

Not applicable.

### OTHER HAZARDS

Not applicable.

**UNKNOWN ACUTE TOXICITY** 0% of the mixture consists of ingredient(s) of unknown toxicity.

## 3. Composition/information on ingredients

Chemical Name	CAS No	weight-%
Sodium hydroxide	1310-73-2	10 - 25
Ammonium hydroxide	1336-21-6	1 - 3

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. First aid measures

### First Aid Measures

#### General advice

Get medical advice/attention if you feel unwell.

#### Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

#### Skin Contact

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician.

#### Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

# Safety Data Sheet

## 2-Part Spray Silver Reducer – C3030

SDS Revision Date:

03/27/23

### Ingestion

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

**Most important symptoms and effects, both acute and delayed Symptoms** No information available.

### **Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. Fire-fighting measures

### **Suitable extinguishing media**

Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam.

Not to be used for safety reasons: Strong water jet

### **Specific hazards arising from the chemical**

Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes.

### **Special protective equipment for fire-fighters**

Wear self-contained breathing apparatus and protective suit. Cool containers with flooding quantities of water until well after fire is out. Do not allow run-off from fire-fighting to enter drains or water courses.

## 6. Accidental release measures

### **Personal precautions, protective equipment and emergency procedures**

#### **Personal precautions**

Avoid breathing vapors or mists. Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak.

#### **For emergency responders**

Use personal protection recommended in Section 8.

#### **Environmental precautions**

Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

### **Methods and material for containment and cleaning up**

#### **Methods for containment**

Prevent further leakage or spillage if safe to do so.

#### **Methods for cleaning up**

Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean

# Safety Data Sheet

## 2-Part Spray Silver Reducer – C3030

contaminated surface thoroughly.

SDS Revision Date: 03/27/23

### 7. Handling and storage

#### Precautions for safe handling

##### **Advice on safe handling**

Use personal protection recommended in Section 8. Never use pressure to empty container. Comply with the health and safety at work laws. Prevent product from entering drains. Use only with adequate ventilation. Do not breathe dust/fume/gas/mist/vapors/spray.

##### **General Hygiene Considerations**

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Avoid contact with skin, eyes or clothing.

#### Conditions for safe storage, including any incompatibilities

##### **Storage Conditions**

Keep/store only in original container. Store in accordance with local regulations. Keep unauthorized personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed in a dry and well-ventilated place.

##### **Incompatible materials**

Strong acids. Acids.

### 8. Exposure controls and personal protection

#### Control parameters

##### **Exposure Limits**

If S\* appears in the OEL table, it indicates this chemical contains a skin notation.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>

#### Appropriate engineering controls

##### **Engineering Controls**

Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

# Safety Data Sheet

## 2-Part Spray Silver Reducer – C3030

SDS Revision Date:

03/27/23

### Individual protection measures, such as personal protective equipment

#### **Eye/face protection**

Face protection shield. Tight sealing safety goggles.

#### **Skin and body protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

#### **Hand Protection**

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical / chemical damage and poor maintenance.

#### **Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

#### **Thermal Protection**

No information available

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Physical state</b>	liquid
<b>Appearance</b>	No information available
<b>Odor</b>	Solvent
<b>Color</b>	Clear
<b>Odor Threshold</b>	No information available
<b>pH value</b>	No information available
<b>Melting point/freezing point</b>	No information available
<b>Boiling point / boiling range</b>	No information available
<b>Flash point</b>	100 °C / 212 °F
<b>Evaporation rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Flammability Limit in Air</b>	
<b>Upper flammability limit:</b>	No information available
<b>Lower flammability limit:</b>	No information available
<b>Vapor Pressure</b>	No information available
<b>Vapor Density</b>	No information available
<b>Density (lbs per US gallon)</b>	9.94
<b>Specific gravity</b>	1.19
<b>Solubility(ies)</b>	No information available
<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available

# Safety Data Sheet

## 2-Part Spray Silver Reducer – C3030

SDS Revision Date: 03/27/23

**Kinematic viscosity** No information available  
**Dynamic viscosity** No information available

### Other information

## 10. Stability and reactivity

**Reactivity** No information available.  
**Chemical stability** Stable under normal conditions.  
**Possibility of Hazardous Reactions** None under normal processing.  
**Hazardous polymerization** None under normal processing.  
**Conditions to avoid** Heat, flames and sparks.  
**Incompatible materials** Strong acids. Acids.  
**Hazardous Decomposition Products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

## 11. Toxicological information

### Information on likely routes of exposure

**Eye contact** Not applicable  
**Skin Contact** Causes skin burns  
**Ingestion** Not applicable  
**Inhalation** Not applicable

### Numerical measures of toxicity - Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium hydroxide 1310-73-2	-	= 1350 mg/kg ( Rabbit )	-
Ammonium hydroxide 1336-21-6	= 350 mg/kg ( Rat )	-	-

### Numerical measures of toxicity - Product Information

**UNKNOWN ACUTE TOXICITY** 0% of the mixture consists of ingredient(s) of unknown toxicity.

# Safety Data Sheet

## 2-Part Spray Silver Reducer – C3030

SDS Revision Date:

03/27/23

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Skin corrosion/irritation</b>	Causes skin burns
<b>Serious eye damage/eye irritation</b>	Not applicable
<b>Skin sensitization</b>	Not applicable
<b>Respiratory sensitization</b>	Not applicable
<b>Germ cell mutagenicity</b>	Not applicable
<b>Carcinogenicity</b>	Not applicable
<b>Reproductive Toxicity</b>	Not applicable
<b>Specific target organ Toxicity (single exposure)</b>	Not applicable
<b>Specific target organ toxicity (repeated exposure)</b>	Not applicable
<b>Aspiration hazard</b>	Not applicable

## 12. Ecological information

### **Ecotoxicity**

Environmental precautions      Prevent product from entering drains.

### **Persistence and degradability**

No information available

### **Bioaccumulation**

No information available

### **Mobility**

No information available

### **Other adverse effects**

No information available

## 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**      Do not reuse container.

# Safety Data Sheet

## 2-Part Spray Silver Reducer – C3030

SDS Revision Date:

03/27/23

### 14. Transport information

	DOT	IMDG	IATA
14.1 UN/ID no	UN3266	UN3266	UN3266
14.2 Proper shipping name	Corrosive liquid, basic, inorganic, n.o.s Sodium hydroxide Ammonium hydroxide	Corrosive liquid, basic, inorganic, n.o.s Sodium hydroxide Ammonium hydroxide	Corrosive liquid, basic, inorganic, n.o.s Sodium hydroxide Ammonium hydroxide
14.3 Hazard Class	8	8	8
14.4 Packing Group	II	II	II
14.5 Environmental hazard	Not applicable		
14.6 Special Provisions	B2, IB2, T11, TP2, TP27	274	A3, A803
	Emergency Response Guide Number	EmS-No F-A, S-B	
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available		

### 15. Regulatory information

#### International Inventories

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

All components are listed or exempt from listing

**DSL** - Canadian Domestic Substances List

All components are listed or exempt from listing

#### US Federal Regulations

Chemical Name	SARA 313 - Threshold Values %	Hazardous air pollutants (HAPs) content
Ammonium hydroxide 1336-21-6 1 - 3	1	

#### SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No



# Safety Data Sheet

## 2-Part Spray Silver Reducer – C3030

SDS Revision Date: 03/27/23

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide 1310-73-2	1000 lb			X
Ammonium hydroxide 1336-21-6	1000 lb			X

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium hydroxide 1310-73-2	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
Ammonium hydroxide 1336-21-6	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

### US State Regulations

#### Rule 66 status of product

Not photochemically reactive.

#### U.S. EPA Label information

EPA Pesticide registration number Not applicable

#### U.S. State Right-to-Know Regulations

Chemical Name	.
Water 7732-18-5	.
Sodium hydroxide 1310-73-2	.
Proprietary Non-Hazardous Ingredient - Proprietary CAS	.
Ammonium hydroxide 1336-21-6	.

## 16. Other information

**Health hazards**  
3

**Flammability**  
1

#### HMIS

**Physical hazards**  
0

**Personal Protection**  
X

Prepared By  
Revision Date

Product Stewardship  
March 27, 2023

#### 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