

# Safety Data Sheet

## Iron Powder – C9288

SDS Revision Date:

5/15/2017

### 1. Identification

#### 1.1. Product identifier

**Product Identity** Iron Powder – C9288

**Alternate Names** Iron Powder – C9288

#### 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

**Classification of the chemical in accordance with paragraph (d) of §1910.1200;**

Harmful to aquatic life.

#### GHS Classification:

Hazardous to the aquatic environment - Acute Category 3

**Acute Toxicity Dermal Contains** 100 % of the mixture consists of ingredient(s) of unknown toxicity  
**Acute Toxicity Inhalation Gas Contains** 100 % of the mixture consists of ingredient(s) of unknown toxicity  
**Acute Toxicity Inhalation Vapor Contains** 100 % of the mixture consists of ingredient(s) of unknown toxicity  
**Acute Toxicity Inhalation Dust/Mist Contains** 100 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. Composition/information on ingredients

<u>Chemical Name</u>	<u>CAS #</u>	<u>%</u>
Iron Powder	7439-89-6	100

### 4. First aid measures

#### Emergency and First Aid Procedures

**Inhalation:** In case of accident by inhalation: remove casualty to fresh air and keep at rest.

**Eyes:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Skin Contact:** After contact with skin, wash immediately with plenty of water.

**Ingestion:** If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

### 5. Fire-fighting measures

**Extinguishing Media:** Use dry chemical, CO2 or appropriate foam.

# Safety Data Sheet

## Iron Powder – C9288

SDS Revision Date:

5/15/2017

**Fire Fighting Methods and Protection:** Firefighters should wear full protective equipment and NIOS approved self-contained breathing apparatus.

**Fire and/or Explosion Hazards:** Avoid Dusting. May become explosive when dispersed in air

**Hazardous Combustion Products:** Metal Oxides

### 6. Accidental release measures

#### Steps to Take in Case Material Is Released or Spilled:

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Avoid the generation of dusts during clean-up. Avoid creating and inhaling dust.

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Vacuum or sweep up material and place in a disposal container

### 7. Handling and storage

**Handling:** Avoid release to the environment. Keep container tightly closed in a cool, well-ventilated place. Keep away from heat. Avoid creating and inhaling dust. Keep container dry.

**Storage:** Keep container tightly closed in a cool, well-ventilated place.

**Storage Code:** Green - general chemical storage

### 8. Exposure controls and personal protection

<u>Chemical Name</u>	<u>(TWA)</u> <u>(STEL)</u>	<u>ACGIH</u> <u>(STEL)</u>	<u>(TWA)</u> <u>(STEL)</u>	<u>OSHA PEL</u> <u>(TWA)</u> <u>(STEL)</u>
No data available	N/A N/A		N/A	N/A

#### Control Parameters

**Engineering Measures:** No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.

**Personal Protective Equipment (PPE):** Lab coat, apron, eye wash, safety shower.

**Respiratory Protection:** No respiratory protection required under normal conditions of use.

**Eye Protection:** Wear chemical splash goggles when handling this product. Have an eye wash station available.

**Skin Protection:** Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

**Gloves:** Natural rubber, Neoprene, PVC or equivalent.

# Safety Data Sheet

## Iron Powder – C9288

SDS Revision Date:

5/15/2017

### 9. Physical and chemical properties

<b>Formula:</b> Fe	<b>Vapor Pressure:</b> 0.000001 hPa at 25 °C
<b>Molecular Weight:</b> 55.85 g/mol	<b>Evaporation Rate (BuAc=1):</b> N/A
<b>Appearance:</b> Powder	<b>Vapor Density (Air=1):</b> N/A
<b>Odor:</b> No data available	<b>Specific Gravity:</b> 7.87
<b>Odor Threshold:</b> No data available	<b>Solubility in Water:</b> Practically Insoluble
<b>pH:</b> No data available	<b>Log Pow (calculated):</b> No data available
<b>Melting Point:</b> 1539 C	<b>Autoignition Temperature:</b> > 100 C
<b>Boiling Point:</b> 2735 C	<b>Decomposition Temperature:</b> No data available
<b>Flash Point:</b> No data available	<b>Viscosity:</b> No data available
<b>Flammable Limits in Air:</b> N/A	<b>Percent Volatile by Volume:</b> 0%

### 10. Stability and reactivity

<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Conditions to Avoid:</b>	None known.
<b>Incompatible Materials:</b>	Strong acids, Strong oxidizing agents
<b>Hazardous Decomposition Products:</b>	Metal Oxides,
<b>Hazardous Polymerization:</b>	Will not occur

### 11. Toxicological information

**Routes of Entry** Inhalation, ingestion, eye or skin contact

**Symptoms (Acute):** Respiratory disorders, Eye disorders

**Delayed Effects:** No data available

#### Acute Toxicity:

Chemical Name	CAS Number	Oral LD50 Oral LD50 Rat 30000 mg/kg	Dermal LD50	Inhalation LC50
Iron Powder	7439-89-6		Not determined	Not determined

#### Carcinogenicity

Chemical Name	CAS Number	IARC	NTP	OSHA
Iron powder	7439-89-6	Not listed	Not listed	Not listed

#### Chronic Effects:

<b>Mutagenicity:</b>	No evidence of a mutagenic effect.
<b>Teratogenicity:</b>	No evidence of a teratogenic effect (birth defect).
<b>Sensitization:</b>	No evidence of a sensitization effect.
<b>Reproductive:</b>	No evidence of negative reproductive effects.

#### Target Organ Effects:

<b>Acute:</b>	See Section 2
<b>Chronic:</b>	Not listed as a carcinogen by IARC, NTP or OSHA.

# Safety Data Sheet

## Iron Powder – C9288

SDS Revision Date:

5/15/2017

### 12. Ecological information

**Overview:** Slight ecological hazard. In high concentrations, this product may be dangerous to plants and/or wildlife. Keep out of waterways.

**Mobility:** No data

**Persistence:** No data

**Bioaccumulation:** No data

**Degradability:** No data

**Other Adverse Effects:** No data

**Chemical Name**Iron Powder  
[STATIC]**CAS Number**

7439-89-6

**Eco Toxicity**

96 HR LC50 MORONE SAXATILIS 13.6 MG/L

### 13. Disposal considerations

**Disposal Methods:** Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.

**Waste Disposal Code(s):** Not Determined

### 14. Transport information

	DOT	IMDG	IATA
14.1 UN/ID	Not regulated	Not regulated	Not regulated
14.2 Proper shipping name			
14.3 Hazard Class			
14.4 Packing Group			

### 15. Regulatory information

**TSCA Status:** All components in this product are on the TSCA Inventory

Chemical Name	CAS Number	§ 313 Name	§ 304 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
Iron Powder	7439-89-6	No	No	No	No	No

### 16. Other information

Prepared By  
Disclaimer

Product Stewardship

Revision Date

May 4, 2017

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