

Pt Wire, Preforms

According to OSHA Regulation: 29 CFR 1910.1200(g)

Date of issue: November 5, 2015

Version: 1.0

SECTION 1: Chemical product and company identification

1.1 Product Identifier

Product form : Article
Product Name : Pt Wire and Brazing products

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

1.2.1 Relevant identified uses

Industrial/Professional use spec. : Industrial, Medical
For professional use only
Use of the substance/mixture : Wire, Brazing
Function or use category : Brazing agent

1.2.2 Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Coining, Inc.
15 Mercedes Drive
Montvale, NJ 07645
Tel: +1(201)7914020
www.coininginc.com
martin.oud@ametek.com

1.4. Emergency Telephone Number

Emergency Number : CHEMTREC: 800-424-9300 for US/703-527-3887 outside US
For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC-Day of Night.

SECTION 2: Hazards identification

2.1. Classification of the Substances or Mixture

Classification GHS-US: Not classified
Adverse physicochemical, human health and environmental effects:
No additional information available.

2.2. Label Elements

In Accordance with 29CFR1910.1200 (f)(4): Not regulated for labeling.

Signal Word: Not applicable

Precautionary Statements

P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P270 Do not eat, drink or smoke when using this product
P273 Avoid release to the environment
P280 Wear protective gloves/protective clothing/eye protection/face protection
P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

2.3. Other hazards:

This product is present in a massive form as a solid. It does not present the same hazards when in its powdered form.

Safety Data Sheet

According to OSHA Regulation: 29 CFR 1910.1200(g)
Date of issue: November 5, 2015

Version: 1.0

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

Name	Product Identifier	%	Classification according to Regulation GHS-US
Platinum	(CAS No) 7440-06-4	100	Not classified as solid

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show there label where possible).
- First-aid measures after inhalation : When symptoms occur; go into open air and ventilate suspected area.
- First-aid measures after skin contact : Removal of solidified molten material from skin requires medical assistance. Cool skin rapidly with cold water after contact with molten product
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : Under normal conditions of use not expected to present a significant hazard. Under milling, or physical alteration metal dusts may be produced that cause irritation of the respiratory tract, skin, and may be harmful. Molten material may release toxic and irritating fumes.
- Symptoms/injuries after inhalation : Not expected to be a primary route of exposure. The primary acute health hazard associated with this product would be the potential for exposure to fumes during metal processing operations. Inhalation of dusts and fumes can cause metal fume fever. Symptoms can include a metallic or sweet taste in the mouth, sweating, shivering, headache, throat irritation, fever, chills, thirstiness, muscle aches, nausea, vomiting, weakness, fatigue, and shortness of breath.
- Symptoms/injuries after skin contact : Skin contact is not considered a potential route of exposure. The primary acute health hazard associated with this product would be the potential for exposure to fumes during metal processing operations. Where possible allow molten material to solidify naturally. Removal of solidified molten material from skin requires medical assistance.
- Symptoms/injuries after eye contact : Not expected to be a primary route of exposure. Dust generated from material cutting may cause a slight irritation. Slivers may be generated, which could cause mechanical irritation or injure the eye.
- Symptoms/injuries after ingestion : Ingestion is not considered a potential route of exposure.

Safety Data Sheet

According to OSHA Regulation: 29 CFR 1910.1200(g)

Date of issue: November 5, 2015

Version: 1.0

Chronic symptoms : None known

4.3. Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

SECTION 5: Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Does not burn. Use extinguishing media appropriate for surrounding fire

Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Dust, chips, or ribbons can be ignited more easily, by an ignition source, by improper machining, or by spontaneous combustion if finely divided and damp

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Handle in accordance with good industrial hygiene and safety practice.

6.1.1. For non-emergency personnel

Protective equipment : Use appropriate personal protection equipment (PPE)

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area

6.2. Environmental precautions

Avoid release to the environment

6.3. Methods and material for containment and clean up

For containment : If metal is in molten form, allow cooling and collecting as a solid. If the metal is in solid form collect for remelting purposes.

Methods for cleaning up : Clear up spills. Immediately and dispose of waste safely.

6.4 Reference to other sections

See heading 8, exposure controls and personal protection.

SECTION 7: Handling and storage

Safety Data Sheet

According to OSHA Regulation: 29 CFR 1910.1200(g)

Date of issue: November 5, 2015

Version: 1.0

7.1. Precautions for safe handling

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures.
Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool and well-ventilated place.

Incompatible products : strong acid; Aqua regia

7.3. Specific end use(s)

Wire bonding and brazing.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Gold (7440-57-5)		
USA	NIOSH TWA (mg/m ³)	1 mg/m ³
USA	OSHA (mg/m ³)	None indicated

8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation, especially in confined areas.

Personal protective equipment : Protective goggles. Insulated gloves



Hand protection : If material is hot, wear thermally resistant protective gloves.

Eye protection : During metal processing, chemical goggles or safety glasses.

Respiratory protection : During metal processing, wear approved mask.

Other information : When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basis physical and chemical properties

Physical state : Solid

Appearance : Wire, ribbon, preforms, squares, rings, discs

Color : Gold

Odor : Odorless

Odor threshold : Not applicable

Safety Data Sheet

According to OSHA Regulation: 29 CFR 1910.1200(g)

Date of issue: November 5, 2015

Version: 1.0

pH	: Neutral
Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point	: 1769°C
Freezing point	: 1769°C
Boiling point	: 4530°C
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor pressure at 20°C	: No data available
Relative density	: No data available
Solubility	: Insoluble
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

9.2 Other information: No other information available.

SECTION 10: Stability and reactivity

10.1 Reactivity	: Hazardous reactions will not occur under normal conditions.
10.2 Chemical stability	: Stable under normal conditions.
10.3 Possibility of hazardous reactions	: Hazardous polymerization will not occur.
10.4 Conditions to avoid	: Contact with mercury and or aqua regia.
10.5 Incompatible materials	: Strong acids (aqua regia)
10.6. Hazardous decomposition products	: No data available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	: Not classified
Irritation	: Not classified
Corrosivity	: Not classified
Sensitization	: Not classified
Repeated dose toxicity	: Not classified

Safety Data Sheet

According to OSHA Regulation: 29 CFR 1910.1200(g)

Date of issue: November 5, 2015

Version: 1.0

Carcinogenicity	: Not classified
Mutagenicity	: Not classified
Toxicity for reproduction	: Not classified

SECTION 12: Ecological information

12.1 Toxicity	: Not classified
12.2 Persistence and degradability	: Not established
12.3 Bioaccumulative potential	: Not established
12.4 Mobility in soil	: No additional information available.
12.5 Results of PBT and vPvB assessment:	No additional information available.
12.6 Other adverse effects	: Not established

SECTION 13: Disposal information

13.1 Waste treatment methods

Waste disposal recommendations	: Dispose of waste material in accordance with all local, regional, national and international regulations.
--------------------------------	---

SECTION 14: Transport information

14.1. In Accordance with DOT	: Not regulated for transport.
14.2. In Accordance with IMDG	: Not regulated for transport.
14.3. In Accordance with IATA	: Not regulated for transport.
14.4. In Accordance with TDG	: Not regulated for transport.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. US Federal Regulations	:All ingredients are listed on the EPA TSCA Inventory.
15.1.2. US State Regulations	:No additional information available.
15.1.3 Canadian Regulations	:All ingredients are listed on the Canadian Domestic Substance List
Canadian WHMIS	: Not regulated

15.2 Chemical safety assessment	:No chemical safety assessment has been carried out.
---------------------------------	--

SECTION 16: Other information

Other information	This Safety Data Sheet has been established in accordance with the SDS requirements of the OSHA Regulation 29 CFR 1910.1200
-------------------	---

Key/Legend

Safety Data Sheet

According to OSHA Regulation: 29 CFR 1910.1200(g)

Date of issue: November 5, 2015

Version: 1.0

ACGIH = American Conference of Governmental Industrial Hygienists; ADG = Australian Code for the transport of Dangerous Goods by Road and Rail; ADR/RID = European Agreement of Dangerous by Road/Rail; AS = Standards Australia; DFG = Deutsche Forschungsgemeinschaft; DOT= Department of Transportation; DSL = Domestic Substances List; EEC = European Economic Community; EINECS = European Inventory of Existing Commercial Chemical Substances; ELINCS = European Lists of Notified Chemical Substances; EU = European Union; HMIS = Hazardous Materials Identification System; IARC = International Agency for Research on Cancer; IATA = International Air Transport Association; IDLH= Immediately Dangerous to Life or Health; IMO = International Maritime Organization; MAK = Maximum Concentration Value in the Workplace; NDSL = Non-Domestic Substances List; NFPA = National Fire Protection Association; NIOSH = National Institute for Occupational Safety & Health ; NTP = National Toxicology Program; OSHA=Occupational Safety and Health Administration; PEL= Permissible Exposure Limits; REL= Recommended Exposure Limits; STEL = Short-term Exposure Limit; TDG = Transportation of Dangerous Goods; TLV = Threshold Limit Value; TSCA = Toxic Substances Control Act; TWA Time weighted Average.

This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

STATEMENT OF LIABILITY-DISCLAIMER

*To the best of the **COINING, INC's** knowledge, the information and recommendations contained in this publication are reliable and accurate as of the date prepared. However, accuracy, suitability, or completeness are not guaranteed, and no warranty, guarantee, or representation, expressed or implied, is made by COINING, INC. as to the absolute correctness or sufficiency of any representation contained in this and other publications; COINING, INC. assumes no responsibility in connection therewith; nor can it be assumed that all acceptable safety measures are contained in this and other publications, or that other or additional measures may not be required under particular or exceptional conditions or circumstances. Data may be changed from time to time.*