
1. Product and Company Identification

Name of product	Au Bonding Wire – HD5
CAS Number	7440-57-5
Manufacturer	Heraeus Electronic Materials Phils., Inc. Gateway Business Park Brgy Javalera, Gen Trias Cavite Philippines 4107 Phone +63 2 749 5661, +63 46 433 0421 Fax +63 2 749 5660, +63 46 433 0423 E-mail ray.pating@heraeus.com

2. Composition / information on ingredients

Material	Purity	Impurities	Elements , ppm
Gold (Au)	99.995%	≤ 50 ppm	Ag: <20, Be: <7, Ca: <10

3. Hazards information for man and environment

No identified effect on man and environment

4. First aid measures

General information

Product composition and nature is insusceptible to case of any inhalation and ingestion.

In case of skin contact

If anyone has allergy to gold, seek medical advice.

In case of eye contact

Avoid too much rolling of eye ball and immediately seek doctor for treatment.

Treatment

Seek medical advice for any symptoms.

5. Fire fighting measures

Product does not burn but will only change form and melt down if directly expose to fire.

6. Accidental release measures

No special measures.

7. Handling and storage

Handle the product in vertical position.

Wear protective gloves to handle the product.

Store in controlled environment and safety locks to avoid any loss or damage.

8. Exposure controls / personal protection

No declared special measures.

9. Physical and chemical properties

Form	Color	Odor
solid strands	yellow gold	odorless
Boiling point	2807 deg centigrade	
Melting point	1063 deg centigrade	
Density	19.3 g / cu cm	
Solvent solubility	aqua regia, hot sulfuric acid, alkali cyanide solution	

10. Stability and reactivity

Conditions to avoid

No hazardous reactions known

Hazardous decomposition products

none

11. Toxicological information

No known information

12. Ecological information

Ecological data are not available.

13. Disposal considerations

Recommendations for the product

Not to be disposed, recyclable material.

Recommendation for the packaging

Packaging is returnable to supplier for proper disposal or re-use.

14. Transport information

Not regulated.

15. Regulatory information

Remarks for classification

Does not require a hazard warning label but proper handling precautions must be observed.

16. Other information

Disclaimer

Prepared by Heraeus Electronic Materials Philippines, Inc. from the best knowledge available; no responsibility is accepted that the information is sufficient or correct in all cases.