

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier :

Product name : Gold Bar, Gold Plate, Gold Granule

1.3 Details of the supplier of the safety data sheet

Company : ASAHI METALFINE, Inc.

Address : Sapia Tower 11F 1-7-12 Marunouchi,
Chiyoda-ku, Tokyo 100-0005, JAPAN

Telephone : +81 (03) 6270-1826

FAX : +81 (03) 6270-1813

1.4 Emergency telephone number

Telephone : +81 (0297) 20-9032

2. HAZARDS IDENTIFICATION

GHS classification and label element of the product

2.1 Classification of the substance or mixture

HEALTH HAZARDS

Not applicable to GHS classification criteria

2.2 Label elements

Not applicable

HAZARD STATEMENTS

Not applicable to GHS classification criteria

PRECAUTIONARY STATEMENTS

Prevention

Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.

Response

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

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

If experiencing respiratory symptoms: Call a doctor.

Call a doctor if you feel unwell.

Disposal

Dispose of the contents/container in accordance with local/regional/national/international regulations.

Please note that the improvements suggested above are based on general guidelines for SDS formatting and content. It's important to consult relevant regulations and guidelines specific to your country or region when creating or updating an SDS.

3. COMPOSITION/INFORMATION IN INGREDIENTS

3.1 Substances

Formula : Au

CAS-No : 7440-57-5

Content : ≥99.99 %

No components need to be disclosed according to the applicable regulations.

4. FIRST AID MEASURES

4.1 Description of first-aid measures

IF INHALED

Remove person to fresh air and keep comfortable for breathing.

Get medical attention/advice if you feel unwell.

IF ON SKIN

Wash with plenty of water.

If skin irritation or rash occurs: Get medical attention/advice.

Get medical attention/advice if you feel unwell.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. If eye irritation persists: Get medical attention/advice.

IF SWALLOWED

Rinse your mouth immediately, and get medical attention/advice if you feel unwell.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measure that are appropriate to local circumstances and the surrounding environment.

5.2 Specific hazards arising from the substance or mixture

No specific hazards identified by high temperature decomposition.

Avoid contact of molten gold with water.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personnel precautions, protective equipment and emergency procedures

Use proper personal protective equipment as indicated in Section 8.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and materials for containment and cleaning up

Spills/Leaks : Sweep up material and place into a suitable disposal container.

7. HANDLING AND STORAGE

7.1 Handling

Handling precautions

Avoid inhalation of dust, vapor, mist, or gas.

Safety Measures

Use general or local ventilation.

Wear protective gloves / protective clothing / eye protection / face protection.

Advice on general occupational hygiene

Wash hands thoroughly after handling.

Don't eat, drink or smoke when using this product

7.2 Storage

No special requirements.

8. EXPOSURE CONTROLS

8.1 Control parameters

No information available

8.2 Exposure controls

Engineering Controls

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Personal Protective Equipment

Respiratory protection : Wear appropriate respiratory protection.

Hand protection : Wear appropriate protective gloves.

Eye protection : Wear appropriate safety glasses or chemical safety goggles.

Skin and body protection : Wear appropriate protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

• Appearance	Form : Solid Color : Golden
• Odor	No data available
• Melting Point	1,064°C
• Boiling Point or initial boiling point and boiling range	2,970°C
• Flammability	No data available
• Lower and upper explosion limit flammability limit	No data available
• Flash point	No data available
• Auto-ignition temperature	No data available
• Decomposition temperature	No data available

• pH	No data available
• Kinematic viscosity	Not applicable for solids
• Water solubility	No data available
• Partition coefficient n-octanol/water	No data available
• Vapor pressure	No data available
• Density	19.32g/cm ³
• Relative Vapor density	Not applicable for solids
• Particle characteristics	No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No specific reactivity hazards are known for this product under normal handling and storage conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Avoid exposure to strong oxidizing agents.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

No information available

11. TOXICOLOGICAL INFORMATION

Acute toxicity : No data available

Skin corrosion/irritation : No data available

Serious eye damage/ irritation : No data available

Respiratory or skin sensitization : No data available

Germ cell mutagenicity : No data available

Carcinogenicity : No data available

Reproductive toxicity : No data available

Specific target organ toxicity (single exposure) : No data available

Specific target organ toxicity (repeated exposure) : No data available

Aspiration hazard : No data available

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Hazardous to the aquatic environment - short-term(acute) hazard : No data available.

Hazardous to the aquatic environment - long-term(chronic) hazard : No data available.

Hazardous to the ozone layer : No data available.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulate potential

No data available

12.4 Mobility in soil

No data available

12.5 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Dispose of the contents/container to in accordance with local/national regulation.

14. TRANSPORT INFORMATION

The product is not regulated under UN regulations.

UN-No: –

Specific precautionary transport measures and conditions : No data available

15. REGULATORY INFORMATION

Please note that regulatory requirements may vary depending on your country or region. It is the responsibility of the user to ensure compliance with applicable regulations.

Please consult the appropriate authorities or seek professional advice to ensure compliance with all relevant regulations and requirements in your country or region.

16. ADDITIONAL INFORMATION**Reference Book**

- Globally Harmonized System of classification and labelling of chemicals,(6th ed.,2015), UN
- 2021 TLVs and BEIs (ACGIH)
- National Institute of Technology and Evaluation (JP)

General Disclaimer

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