

## SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** : Nickel Titanium Wire  
**Company Name** : TOMY Incorporated  
Tenko Bldg. 3-16-7 Midoricho, Fuchu City, Tokyo 183-0006 JAPAN  
**Telephone No.** : +81 246 42 3883  
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### 2. HAZARDS IDENTIFICATION

**GHS:** N/A  
**Hazard:** A metal allergy may occur depending on the individual's susceptibility.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	wt %	CAS No.	OSHA PEL mg/m <sup>3</sup>	ACGIH TLV mg/m <sup>3</sup>
<b>Wire</b>				
Nickel	40 ~ 60	7440-02-0	1 mg/m <sup>3</sup> TWA	1.5 mg/m <sup>3</sup> TWA (inhalable fraction)
Titanium	Bal.	7440-32-6	15 mg/m <sup>3</sup> TWA (total dust of Titanium dioxide)	10 mg/m <sup>3</sup> TWA (total dust of Titanium dioxide)
<b>Coating</b>				
Gold	0 ~ 100	7440-57-5	N/A	N/A
Rhodium	0 ~ 100	7440-16-6	0.1 mg/m <sup>3</sup> TWA (as metal fume)	1 mg/m <sup>3</sup> TWA (as metal fume)

### 4. FIRST-AID MEASURES

**Eye contact:** When a wire, metallic shards or powder generated during processing contacts patients' eyes, remove them and seek immediate medical attention.  
**Ingestion:** When swallowed a wire, metallic shards or powder, seek immediate medical attention.  
**Skin contact:** When a wire, metallic shards or powder perforates skin, remove them and seek immediate medical attention if symptoms persist.

### 5. FIRE-FIGHTING MEASURES

This product is nonflammable, but packaging material for this product is combustible.

**Extinguishing Media:** N/A

**Protection and firefighting procedures:** All personnel engaged in firefighting must use appropriate protective equipment.

### 6. ACCIDENTAL RELEASE MEASURES

N/A

### 7. HANDLING AND STORAGE

**Handling:** There is a risk that wire cutting end may perforate skin because of careless handling. This wire must be handled with utmost care.

**Storage:** Store this product with identification not to mix the other products, and keep away from dust and moisture.

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### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

When handling wire cutting edge, use appropriate protective equipment, such as protective gloves and eye protection as needed.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Normal physical state: Solid

Color: White silver

Odor: Odorless

Density: 6.4~6.5 g/cm<sup>3</sup>

Melting point: 1240~1310 °C

Solubility in water: Does not soluble

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### 10. STABILITY AND REACTIVITY

**Stability:** This product does not have sufficient corrosion resistance against certain chemicals, such as reducing acid depending on usage environment.

**Reactivity:** Toxic gas may be generated by reaction with acids.

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### 11. TOXICOLOGICAL INFORMATION

N/A

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### 12. ECOLOGICAL INFORMATION

N/A

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### 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

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### 14. TRANSPORT INFORMATION

**Road transportation:** Not classified.

**Sea transportation:** Not classified.

**Air transportation:** Not classified.

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### 15. REGULATORY INFORMATION

N/A

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### 16. OTHER INFORMATION

This SDS was prepared in accordance with the requirements of ISO 11014 and to be used only for this product. The information contained in the SDS is believed to be valid and accurate. However, Tomy Inc. makes no warranty, either expressed or implied, as to the completeness of information in all possible condition.

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