Date prepared: 2013.10.11
Revision date: 2017.6.12

Ref No.: 5132-01EN (1/3)

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product name

: Metal Brackets

Company Name

: TOMY Incorporated

Tenko Bldg. 3-16-7 Midoricho, Fuchu City, Tokyo 183-0006 JAPAN

Telephone No.

: +81 246 42 3883

Fax No.

: +81 246 42 2275

E-mail address

: qa@tomyinc.co.jp

Emergency Telephone No.: +81 246 42 3883

2. HAZARDS IDENTIFICATION

GHS:

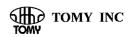
N/A

Hazard:

A metal allergy may occur depending on the individual's susceptibility.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components		wt %	6	CAS No.	OSHA PEL mg/m³	ACGIH TLV mg/m ³
Bracket body &	Hook	/ Post	off many North Academic			
Manganese	0	~	5	7439-96-5	5 mg/m³ TWA	0.2 mg/m³ TWA (respirable fraction) 0.1 mg/m³ TWA (inhalable fraction)
Nickel	5	~	15	7440-02-0	1 mg/m³ TWA	1.5 mg/m³ TWA (inhalable fraction)
Chromium	10	~	20	7440-47-3	0.5 mg/m³ TWA	0.5 mg/m³ TWA
Copper	0	~	10	7440-50-8	10 mg/m ³ TWA (dust &mist) 0.1 mg/m ³ TWA (fume)	10 mg/m ³ TWA (dust &mist) 0.2 mg/m ³ TWA (fume)
Niobium	0	~	5	7440-03-1	N/A	N/A
Iron			Bal.	7439-89-6	10 mg/m ³ TWA (as fume of Iron oxide)	5 mg/m³ TWA (as respirable fraction of Iron oxide)
Bonding base						
Manganese	0	~	5	7439-96-5	5 mg/m³ TWA	0.2 mg/m³ TWA (respirable fraction) 0.1 mg/m³ TWA (inhalable fraction)
Nickel	5	~	15	7440-02-0	1 mg/m³ TWA	1.5 mg/m³ TWA (inhalable fraction)
Chromium	10	~	20	7440-47-3	0.5 mg/m³ TWA	0.5 mg/m³ TWA
Molybdenum	0	~	5	7439-98-7	15 mg/m³ TWA (total dust)	10 mg/m ³ TWA (inhalable fraction) 3 mg/m ³ TWA (respirable fraction)
Iron			Bal.	7439-89-6	10 mg/m ³ TWA (as fume of Iron oxide)	5 mg/m³ TWA (as respirable fraction of Iron oxide)
Brazing materia	ıl					
Gold	20	~	50	7440-57-5	N/A	N/A
Silver	20	~	50	7440-22-4	0.01 mg/m³ TWA	0.1 mg/m³ TWA (metal dust)
Copper			Bal.	7440-50-8	10 mg/m ³ TWA (dust &mist) 0.1 mg/m ³ TWA (fume)	10 mg/m ³ TWA (dust &mist) 0.2 mg/m ³ TWA (fume)
Coating						
Gold	0	~	100	7440-57-5	N/A	N/A
Rhodium	0	~	100	7440-16-6	0.1 mg/m³ TWA (as metal fume)	1 mg/m³ TWA (as metal fume)



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4. FIRST-AID MEASURES

Eye contact: Flush with large quantities of water, holding the eyelids apart to assure that the material is

washed out. Get medical attention if irritation persists.

Inhalation: If irritation or other symptoms develop, remove to fresh air. Get medical attention if

symptoms persist.

Ingestion: When swallowed this product, seek immediate medical attention.

Skin contact: This product should not be used for patients with an identified allergy to nickel and/or other

metals 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: N/A

Store this product with identification not to mix the other products, and keep away from dust

and moisture.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation:

Storage:

Adequate ventilation practice

Protective equipment commonly used:

Eye protection:

Safety glasses, safety goggles

Hand protection:

Protective gloves (made of rubber, vinyl, polyethylene and so on)

Respiratory protection:

Dust respirator (in case of dust occurrence)

9. PHYSICAL AND CHEMICAL PROPERTIES

Normal physical state: Solid

Color:

White silver

Odor:

Odorless

Density:
Melting point:

N/A N/A

Solubility in water:

Insoluble

10. STABILITY AND REACTIVITY

Stability:

This product is considered a stable material under normal storage and handling

conditions.

Condition to avoid:

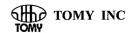
N/A

Materials to avoid:

N/A

Hazardous products produced during decomposition:

None known.



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11. TOXICOLOGICAL INFORMATION

N/A

12. ECOLOGICAL INFORMATION

N/A

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

Road transportation: Not classified.
Sea transportation: Not classified.
Air transportation: Not classified.

15. REGULATORY INFORMATION

N/A

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.

