

*Read this MSDS before use the ingredients .

*Keep this MSDS in your file for your timely reference.

*The contents of this information sheet are not warranted and the company can accept no liability to any customer or any other person.

Material Safety Data Sheet “ Antimony Metal S ”

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Identification of Substance:	Antimony CAS No.7440-36-0 EINECS No.231-146-5
1.2 Company Identification:	NIHON SEIKO CO., LTD. 3-2 SHIMOMIYABI-CHO SHINJUKU-KU TOKYO 162-0822 JAPAN TEL +81-3-3235-0031 FAX +81-3-5261-7335

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 Distinction of single substance or mixture:	Single substance
2.2 Chemical Composition:	Antimony : Sb
2.3 Antimony	99.7%
2.4 Arsenic:	0.05%
2.5 Lead:	0.12%

3. HAZARDS IDENTIFICATION

3.1 Title of Classification:	Not applicable
3.2 Harmfulness:	No information available.
3.3 Harmful Indication:	! Symbol MARK [INDUSTRIAL MATERIAL/CAUTION]

4. FIRST AID MEASURES

4.1 Skin Contact:	Wash skin with soap and water while removing contaminated clothing and shoes. Get medical attention, if needed.
4.2 Eye Contact:	Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.
4.3 Inhalation:	If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.
4.4 Ingestion:	Contact local poison control center or physician immediately. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

- 5.1 Suitable Extinguishing Media: Regular dry chemical, carbon dioxide, water, and regular foam.
Large fires: Use regular foam or flood with fine water spray.
- 5.2 Fire fighting: Move container from fire area if it can be done without risk. Use extinguishing agents appropriate for surrounding fire.
Avoid inhalation of material or combustion by-products.
Stay upwind and keep out of low areas.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions: Do not breath dust.
Avoid contact with skin, eyes and clothing.
Wear dust mask and goggles.
- 6.2 Environmental Precautions: Dispose of material in accordance with all Federal, State and Local regulations.
An approved waste landfill is recommended.
- 6.3 Methods of Cleaning Up: Vacuum or sweep all spilled material without creating dust and place in closed plastic bags for disposal.

7. STORAGE

- 7.1 Storage: Store and handle in accordance with all current regulations standards.
Keep separated from incompatible substance.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Exposure Control limits/Effect of Over Exposure: Sb : 0.5mg/m³ ACGIH-TWA
- 8.2 Special Protective Measures:
- Respiratory: Provide local exhaust ventilation system.
Wear suitable particle filter mask.
- Hands: Wear gloves.
- Eyes: Wear splash resistant safety goggles.
- Skin: Wear overalls.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Physical State: Solid.
- 9.2 Odor: Not available.
- 9.3 Specific Gravity: 6.68 (20)
- 9.4 Melting Point: 630
- 9.5 Boiling Point: 1,380
- 9.6 Solubility in Water: Insoluble.
- 9.7 Vapor pressure: 211Pa (800)
- 9.8 Flammability: If heat in the air, it burns.

10. STABILITY AND REACTIVITY	
-------------------------------------	--

- | | |
|--------------------------|---|
| 10.1 Reactivity: | Stable at normal temperatures and pressure. |
| 10.2 Condition to Avoid: | Avoid heat, flames, sparks and other sources of ignition.
Avoid generating dust.
Keep out of water supplies and sewers. |
| 10.3 Material to Avoid: | Acids, oxidizing materials, metals, halogens, combustible materials, peroxides, metal oxides, bases, metal salts. |

11. TOXICOLOGICAL INFORMATION	
--------------------------------------	--

- | | |
|------------------------------------|---------------------------|
| 11.1 LD ₅₀ (Rat-oral) : | 100mg/kg |
| 11.2 Skin Irritation : | No information available. |
| 11.3 Carcinogenicity: | |
| IARC: | None listed. |
| ACGIH: | None listed. |

12. ECOLOGICAL INFORMATION	
-----------------------------------	--

- | | |
|-----------------------------|---------------------------|
| 12.1 Environmental Effect : | No information available. |
|-----------------------------|---------------------------|

13. DISPOSAL CONSIDERATIONS	
------------------------------------	--

- | | |
|-----------------------------|--------------------------------------|
| 13.1 Disposal of Product: | Landfill subject to local regulation |
| 13.2 Disposal of Packaging: | Landfill or incineration. |

14. TRANSPORT INFORMATION	
----------------------------------	--

- | | |
|---|-----------------------------|
| 14.1 No special precautions are required. | |
| 14.2 ADR | No classification assigned. |

15. REGULATORY INFORMATION	
-----------------------------------	--

- | | |
|-------------------------------------|--|
| 15.1 According to local regulation. | |
|-------------------------------------|--|

16. OTHER INFORMATION	
------------------------------	--

- | | |
|---|--|
| 16.1 Caution with treatment of materials: | Do not contact to eyes and skin.
Do not inhale dust.
Wear suitable protective clothing, gloves, respirator, and face protection gear.
Wash affected areas with soap and copious of water.
Do not dispose in river. |
| 16.2 Revision | |
| No.00 Revision date: Oct. 2005 | New issue |
| No.01 Revision date: Aug. 2006 | The information on ingredients was reviewed. |

17. REFERENCES

Environmental Quality and Safety, Supplement (Stuttgart, Fed. Rep. Ger.) V.1-5, 1975-1976
“Toxicometric Parameters of industrial Toxic Chemicals Under Single Exposure,”
izomerov,N.F., et al., Moscow, Centre of International Projects, GKNT, 1982
MSDS-OHS (1984-2005 , MDL information systems, Inc. All rights reserved.)
