SAFETY DATA SHEET

According to JIS Z 7253:2019
Revision Date 18-Dec-2020
Version 2.02

Section 1: PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name</th>
<th>Silver Hexafluoroantimonate(V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>327-96112</td>
</tr>
</tbody>
</table>

Manufacturer
FUJIFILM Wako Pure Chemical Corporation
1-2 Doshomachi 3-Chome
Chuo-ku, Osaka 540-8605, Japan
Phone: +81-6-6203-3741
Fax: +81-6-6203-5964

Supplier
FUJIFILM Wako Pure Chemical Corporation
1-2 Doshomachi 3-Chome, Chuo-ku, Osaka 540-8605, Japan
Phone: +81-6-6203-3741
Fax: +81-6-6203-2029

Emergency telephone number
+81-6-6203-3741 / +81-3-3270-8571

Recommended uses and restrictions on use
For research use only

Section 2: HAZARDS IDENTIFICATION

GHS classification
Classification of the substance or mixture
Acute toxicity - Oral                       Category 4
Acute toxicity - Inhalation (Dusts/Mists)   Category 4
Long-term (chronic) hazardous to the aquatic environment Category 2

Pictograms

Signal word
Warning

Hazard statements
H302 - Harmful if swallowed
H332 - Harmful if inhaled
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements-(Prevention)
• Wash face, hands and any exposed skin thoroughly after handling
• Do not eat, drink or smoke when using this product
• Avoid breathing dust/fume/gas/mist/vapors/spray
• Use only outdoors or in a well-ventilated area
• Avoid release to the environment

Precautionary statements-(Response)
• IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
• Call a POISON CENTER or doctor/physician if you feel unwell.
• IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
• Rinse mouth.
• Collect spillage

Precautionary statements-(Storage)
Precautionary statements-(Disposal)

- Dispose of contents/container to an approved waste disposal plant

Others

Other hazards

Not available

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Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Single Substance or Mixture

Substance

Formula

AgF6Sb

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight-%</th>
<th>Molecular weight</th>
<th>ENCS</th>
<th>ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver(I) hexafluoroantimonate</td>
<td>97.0</td>
<td>343.62</td>
<td>N/A</td>
<td>N/A</td>
<td>26042-64-8</td>
</tr>
</tbody>
</table>

Impurities and/or Additives

Not applicable

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Section 4: FIRST AID MEASURES

Inhalation

Remove to fresh air. If symptoms persist, call a physician.

Skin contact

Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.

Ingestion

Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Do not induce vomiting without medical advice.

Protection of first-aiders

Use personal protective equipment as required.

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Section 5: FIRE FIGHTING MEASURES

Suitable extinguishing media

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

Unsuitable extinguishing media

No information available

Specific hazards arising from the chemical product

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Special extinguishing method

No information available

Special protective actions for firefighters

Use personal protective equipment as required. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

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Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For indoor, provide adequate ventilation process until the end of working. Deny unnecessary entry other than the people involved by, for example, using a rope. While working, wear appropriate protective equipments to avoid adhering it on skin, or inhaling the gas. Work from windward, and retract the people downwind.

Environmental precautions

To be careful not discharged to the environment without being properly handled waste water contaminated.

Methods and materials for contaminent and methods and materials for cleaning up
Sweep up and gather scattered particles, and collect it in an empty airtight container.

**Recovery, neutralization**

No information available

**Secondary disaster prevention measures**

Clean contaminated objects and areas thoroughly observing environmental regulations.

### Section 7: HANDLING AND STORAGE

#### Handling

**Technical measures**

Avoid contact with acidic substances. Use with local exhaust ventilation.

**Precautions**

Do not rough handling containers, such as upsetting, falling, giving a shock, and dragging. Prevent leakage, overflow, and scattering. Not to generate steam and dust in vain. Seal the container after use. After handling, wash hands and face, and then gargle. In places other than those specified, should not be smoking or eating and drinking. Should not be brought contaminated protective equipment and gloves to rest stops. Deny unnecessary entry of non-emergency personnel to the handling area.

**Safety handling precautions**

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

#### Storage

**Safe storage conditions**

- **Storage conditions**: Keep container protect from light, store in well-ventilated place at room temperature (preferably cool). Keep container tightly closed. Packed with an inert gas. Store locked up.

**Safe packaging material**: Glass

**Incompatible substances**: Strong acids

### Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering controls**

In case of indoor workplace, seal the source or use a local exhaust system. Provide the safety shower facility, and hand- and eye-wash facility. And display their position clearly.

**Exposure limits**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>JSOH (Japan)</th>
<th>ISHL (Japan)</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver(I) hexafluoroantimonate</td>
<td>TWA: 0.1 mg/m³ OEL</td>
<td>N/A</td>
<td>TWA: 0.5 mg/m³ Sb</td>
</tr>
<tr>
<td>26042-64-8</td>
<td>TWA: 0.01 mg/m³ OEL</td>
<td></td>
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</tr>
</tbody>
</table>

**Personal protective equipment**

- **Respiratory protection**: Dust mask
- **Hand protection**: Protection gloves
- **Eye protection**: protective eyeglasses or chemical safety goggles
- **Skin and body protection**: Long-sleeved work clothes

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

**Form**

- **Color**: White - pale brownish yellow
- **Appearance**: crystals - crystalline powder

**Odor**: No data available

**Melting point/freezing point**: No data available

**Boiling point, initial boiling point and boiling range**: No data available

**Flammability**: No data available

**Evaporation rate**: No data available

**Flammability (solid, gas)**: No data available

**Upper/lower flammability or explosive limits**

- **Upper**: No data available
Lower:
Flash point:
Auto-ignition temperature:
Decomposition temperature:
pH:
Viscosity (coefficient of viscosity):
Dynamic viscosity:
Solubilities:
n-Octanol/water partition coefficient:(log Pow):
Vapour pressure:
Specific Gravity / Relative density:
Vapour density:
Particle characteristics:

Section 10: STABILITY AND REACTIVITY

Stability

Reactivity:
Chemical stability:
Hazardous reactions:
None under normal processing
Conditions to avoid:
Extremes of temperature and direct sunlight
Incompatible materials:
Strong acids
Hazardous decomposition products:
Halides, Metal oxides

Section 11: TOXICOLOGICAL INFORMATION

Acute toxicity:
Skin irritation/corrosion:
Serious eye damage/ Irritation:
Respiratory or skin sensitization:
Reproductive cell mutagenicity:
Carcinogenicity:
Reproductive toxicity:
STOT-single exposure:
STOT-repeated exposure:
Aspiration hazard:

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity:
Other data:
Persistence and degradability:
Bioaccumulative potential:
Mobility in soil:
Hazard to the ozone layer:

No data available
No data available
No data available
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Section 13: DISPOSAL CONSIDERATIONS

Waste from residues
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated container and contaminated packaging
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14: TRANSPORT INFORMATION

ADR/RID
- UN number: UN3077
- Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Silver(I) hexafluoroantimonate)
- UN classification: 9
- Subsidiary hazard class: N/A
- Packing group: III
- Marine pollutant: Yes

IMDG
- UN number: UN3077
- Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Silver(I) hexafluoroantimonate)
- UN classification: 9
- Subsidiary hazard class: N/A
- Packing group: III
- Marine pollutant (Sea): Yes
- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: No information available

IATA
- UN number: UN3077
- Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Silver(I) hexafluoroantimonate)
- UN classification: 9
- Subsidiary hazard class: N/A
- Packing group: III
- Environmentally Hazardous Substance: Yes

Section 15: REGULATORY INFORMATION

International Inventories
- EINECS/ELINCS: Listed
- TSCA: Listed

Japanese regulations
- Fire Service Act: Not applicable
- Poisonous and Deleterious Substances Control Law: Deleterious Substances 3rd. Grade
- Industrial Safety and Health Act: Harmful Substances Whose Names Are to be Indicated on the Label (Law Art.57, Para.1, Enforcement Order Art.18)
- Notifiable Substances (Law Art.57-2, Enforcement Oder Art.18-2 Attached Table No.9)No.38,137,487
- Regulations for the carriage and storage of dangerous goods in ship: Noxious Substances (Ordinance Art.3, Ministry of Transportation Ordinance Regarding Transport by Ship and Storage, Attached Table 1)
- Civil Aeronautics Law: Miscellaneous Dangerous Substances and Articles (Ordinance Art.194, MITL Nortification for Air Transportation of Explosives etc., Attached Table 1)
- Pollutant Release and Transfer Register Law: Class 1
- Class 1 - No. 31.82
- Water Pollution Control Act: Harmful Substances (Law Art.2, Enforcement Order Art.2, Ordinance Designating Wastewater Standards Art.1)
- Export Trade Control Order: Not applicable
- Air Pollution Control Law: Hazardous Air Pollutants
Soil Contamination Control Law

Designated Hazardous Substances

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Poisonous and Deleterious Substances Control Law</th>
<th>Industrial Safety and Health Act Substances (Law Art.57-2)</th>
<th>Pollutant Release and Transfer Register Law</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver(I) hexafluoroantimonate 26042-64-8 (97.0)</td>
<td>Applicable</td>
<td>Applicable</td>
<td>Applicable</td>
</tr>
</tbody>
</table>

Section 16: OTHER INFORMATION

Key literature references and sources for data etc.
- NITE: National Institute of Technology and Evaluation (JAPAN)
  http://www.safe.nite.go.jp/japan/db.html
- IATA dangerous Goods Regulations
- RTECS: Registry of Toxic Effects of Chemical Substances
- Japan Industrial Safety and Health Association GHS Model SDS
- Dictionary of Synthetic Oraganic Chemistry, SSOCJ, Koudansha Scientific Co.Ltd.
- Chemical Dictionary, Kyoritsu Publishing Co., Ltd.
  etc

Disclaimer
This SDS is according to JIS Z 7253: 2019. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

GHS Classification is according to JIS Z7252(2019). *JIS: Japanese Industrial Standards

End of Safety Data Sheet