

	Store locked up. Store away from heat and combustible materials. Take any precaution to avoid mixing with combustible materials. Dispose of contents/ container in accordance with local/national regulations.
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Section 3. Composition / information on ingredients

Chemical or common name: Silver(I) oxide
 Synonyms: Argentous oxide
 Chemical formula: Ag₂O
 Single Substance or Compound: Single substance
 Composition: 100%
 CAS #: 20667-12-3
 RTECS#: VW490000
 TSCA inventory : Listed
 EINECS: 2439571

Section 4. First aid measures

Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids.
 Continue to rinse for at least 15 minutes and get medical attention.
 Skin contact: Promptly flush contaminated skin with soap or mild detergent and water.
 Contact physician if irritation continues.
 Inhalation: Remove the exposed person immediately and provide fresh air.
 Get medical attention.
 Ingestion: Rinse mouth and throat with water. Get medical attention immediately.

Section 5. Fire fighting measures

Extinguishing media: Water fog or foam, Dry chemical powder, Dry sand.
 Fire fighting: Oxidizing substance. The substance itself is not combustible but enhances combustion of other substances.
 Remove containers to safe place if possible.
 Use water spray to Cool down nearby structures and containers.
 Self-contained breathing apparatus and full protective clothing should be used, if the material is involved in fire

Section 6. Accidental release measures

Personal Precautions:
 Workers should use protective wears to prevent contact with the spilt adhesive and inhalation of its vapor/dusts.
 Environmental hazard precautions:
 Shut off leak if without risk.
 Prevent flow out to river, etc. so as not to badly affect.
 Method for containment and cleaning up:
 Remove combustible substances and all sources of ignition.
 Avoid unnecessary contacts with spills.
 Indoor leakage: Ventilate as much as possible until the cleaning is completed.
 Outdoor leakage: Work from the windward and evacuate the leeward crowd.
 Absorb or cover with vermiculite or other suitable absorbent, and dispose of DOT-approved waste containers as much as possible.



Section 7. Handling and storage

Precautions to be taken in handling:

Safe handling: Keep container or bottle tightly closed when not in use.
 Avoid prolonged or repeated exposure.
 Handling worker wears suitable protective clothing.
 Keep away from combustible material, heat, sparks and naked flames.

Precautions to be taken in storage:

General precautions: Store the material in a sealed container out of light.
 Store in a cool, dry, well ventilated and dark place away from incompatible materials.

Section 8. Exposure controls / personal protection

Exposure guideline: ACGIH(2019) : No data available
 OSHA(2006) : No data available

Facility measures: Local ventilation of closed work room or total proper ventilation to prevent inhalation.

Protective ware: Wear appropriate NIOSH/MSHA-approved respirator, safety goggles, protective gloves.

Section 9. Physical and chemical properties

Color and Form: Dark brown solid, odorless

Chemical formula: Ag₂O

Formula weight: 231.7

Melting point: >200 °C (Decomposes)

Density: 7.2 g/cm³

Solubility in water: Insoluble

Soluble in : Nitric acid, aqueous ammonia.

Flammability: Non-combustible substance

Oxidation: Oxidizing substance

Section10. Stability and reactivity

Stability: Stable in closed container protected from light under room temperature.
 Gradually decomposes on exposure to light.

Reactivity

Condition to avoid: Heat, light, shock.

Incompatibility: Reducing agents, combustible substances, halogens, hydrogen sulfide, metal sulfides, sulfur, phosphorus.

Section11. Toxicological information

Acute toxicity: GHS : No data available

Skin corrosive / irritation: GHS : Category 2 ; Causes skin irritation.

Serious eye damage / irritation: GHS : Category 2 ; Causes serious eye irritation.

Respiratory sensitization: GHS : No data available

Skin sensitization: GHS : No data available

Germ cell mutagenicity: GHS : No data available

Carcinogenicity: GHS : No data available

Reproductive toxicity: GHS : No data available



Specific target organ toxicity

- single exposure: GHS : Category 3; May cause respiratory irritation.
- repeated exposure: GHS : No data available

Aspiration hazard: GHS : No data available

Section12. Ecological information

Ecotoxicity:

Hazardous to the aquatic environment

- short-term (acute) hazard : GHS : No data available
- long-term (chronic) hazard : GHS : No data available

Hazardous to the ozone layer GHS : No data available
No Freon or Halon

Fish toxicity: No data available

Degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Section13. Disposal considerations

Disposal method: User of the product should contract with the local government or licensed 'Industrial Waste Haulers' for disposal of waste.

Section 14. Transport information

UN number: 1479
IATA shipping name: OXIDIZING SOLID, N.O.S.
IATA classification: Class 5.1 (Oxidizing substances)
IATA packing group: III
HS code: 2843.29
Marine pollution: None

Section 15. Regulatory information

TSCA inventory: Listed.

Please refer to any other local / national measures that may be relevant.

Section 16. Other information

This SDS is for provision of information, and it does not represent a guarantee the properties or safeties of the product.

The information herein is based on the references we could obtained and the present state of our knowledge, however, this SDS does not always cover all information about the product. Some new information or amendments may be added afterwards.

Prior to use, please investigate the laws and regulations of the organization, area and country where the product is to be used. The information is intended to ordinary usage, in case of special handling, sufficient care should be taken.



High Purity Materials

KOJUNDO CHEMICAL LABORATORY CO.,LTD.