
Section 3. Composition / information on ingredients

Chemical or common name:	Silver
Chemical formula:	Ag
Single Substance or Compound:	Single substance
Composition:	100%
CAS #:	7440-22-4
RTECS#:	VW3500000
TSCA inventory :	listed
EINECS:	2311313

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:	Dry sand, Perlite ,Metal fire extinguishers. DO NOT use water fog or foam, carbon dioxide.
Fire fighting:	Remove containers to safe place if possible. 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:	Indoor leakage: Ventilate as much as possible until the cleaning is completed. Outdoor leakage: Work from the windward and evacuate the leeward crowd. Gather up, pack in closed container as much as possible. Carefully collect remnant and move to a safe place.

Section 7. Handling and storage

Precautions to be taken in handling:

Safe handling:	Use protective wears and local ventilation equipment, if inhalation or skin contact is foreseen. Avoid prolonged or repeated exposure.
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Precautions to be taken in storage:

General precautions:	Store the material in a sealed container. Store in a cool, dry, well ventilated and dark place away from incompatible materials.
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Section 8. Exposure controls / personal protection

Exposure guideline:	ACGIH (2013) : TLV-TWA 0.1 mg/m ³ OSHA (2006) : PEL-TWA 0.01mg/m ³
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:	Silver white solid, odorless
Chemical formula:	Ag
Formula weight:	107.9
Melting point:	951.9 °C
Boiling point:	2212 °C
Specific gravity:	10.5 g/cm ³
Solubility:	Insoluble; water, hydrochloric acid Dissoluble; nitric acid, hot sulfuric acid
Flammability:	Non-combustible substance
Oxidation:	None

Section10. Stability and reactivity

Stability:	Stable in closed container under room temperature.
Reactivity	
Condition to avoid:	No data available
Incompatibility:	Strong acids, strong bases, oxalates, tartaric acid.

Section11. Toxicological information

Acute toxicity(Oral):	GHS : Not classified ; Falls below the lowest level. Oral rat LD50 > 5000 mg/kg (HSDB (2003))
Acute toxicity(Dermal):	GHS : Not classified ; Falls below the lowest level. Dermal rat LD50 > 2000 mg/kg (HSDB (2003))
Skin corrosive / irritation:	GHS : Not classified ; Falls below the lowest level.
Serious eye damage / irritation:	GHS : Category 2B ; Causes eye irritation
Respiratory sensitization:	GHS : No data available
Skin sensitization:	GHS : Category 1 ; May cause an allergy skin reaction.
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 1; Cause damage to organs (respiratory system).
– repeated exposure:	GHS : Category 1; Cause damage to organs (eye, respiratory organs; inhalation) through prolonged or repeated exposure.
Aspiration hazard:	GHS : No data available

Section12. Ecological information

Ecotoxicity:	
Hazardous to the aquatic environment	
– acute toxicity:	GHS : No data available
– chronic toxicity:	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

Section 13. 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 classification: Not hazardous
UN number: None
HS code: 7106.10
Marine pollution: None
Precautions: Container should be transported in a secure position, in a well-ventilated vehicle.

Section 15. Regulatory information

TSCA inventory: Listed.
Please refer to any other local / national measures that may be relevant.

Section 16. Other information

The information described above is believed to be correct. However, Kojundo Chemical Lab. makes no representation, warranty nor guarantee of any kind with respect to the information on this data sheet or any use of the product based upon this information.

