

Product Name: Ez Stain Silver (AE-1360)  
Company Name: ATTO Co., Ltd.  
Management number: A0013\_1

Creation Date: 2009/10/16  
Revision Date: 2026/3/13

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# Safety Data Sheet

## 1. Product and Company Information

**Product name:** Ez Stain Silver  
**Product code:** AE-1360

### Company Information

**Company name:** ATTO Co., Ltd.  
**Address:** 3-2-2 Motoasakusa, Taito-ku, Tokyo 111-0041, Japan  
**Department:** Head Office, Customer Service Department  
**Phone:** +81-3-5827-4861  
**Fax:** +81-3-5827-6647  
**Emergency contact number:** +81-3-5827-4863

**Recommended use:** For testing and research use.

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## 2. Hazard Summary

### GHS Classification

- Flammable liquids: **Category 4**
- Acute toxicity (oral): **Category 5**
- Acute toxicity (dermal): **Category 5**
- Acute toxicity (inhalation): **Category 4**
- Skin corrosion/irritation: **Category 1A**
- Serious eye damage/eye irritation: **Category 1**
- Respiratory sensitization: **Category 1**
- Skin sensitization: **Category 1**
- Germ cell mutagenicity: **Category 2**
- Carcinogenicity: **Category 2**
- Reproductive toxicity: **Category 2**
- Specific target organ toxicity (single exposure): **Category 1 (blood system)**

- Specific target organ toxicity (single exposure): **Category 1 (respiratory system)**
- Specific target organ toxicity (single exposure): **Category 3 (respiratory tract irritation)**
- Specific target organ toxicity (repeated exposure): **Category 1 (cardiovascular system, kidneys, lungs)**
- Hazardous to the aquatic environment, acute: **Category 2**
- Hazardous to the aquatic environment, chronic: **Category 2**

## GHS Label Elements

Signal word: Danger



## Hazard Statements

- **H227** Combustible liquid.
- **H303** May be harmful if swallowed.
- **H313** May be harmful in contact with skin.
- **H314** Causes severe skin burns and eye damage.
- **H315** Causes skin irritation.
- **H318** Causes serious eye damage.
- **H332** Harmful if inhaled.
- **H334** May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- **H335** May cause respiratory irritation.
- **H341** Suspected of causing genetic defects.
- **H351** Suspected of causing cancer.
- **H361** Suspected of damaging fertility or the unborn child.
- **H370** Causes damage to organs (blood system).
- **H370** Causes damage to organs (respiratory system).
- **H372** Causes damage to organs (cardiovascular system, kidneys, lungs) through prolonged or repeated exposure.
- **H401** Toxic to aquatic life.
- **H411** Toxic to aquatic life with long lasting effects.

## Precautionary Statements

### Prevention

- **P201** Obtain special instructions before use.
- **P202** Do not handle until all safety precautions have been read and understood.
- **P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.
- **P260** Do not breathe mist/vapors/spray.
- **P264** Wash hands thoroughly after handling.
- **P270** Do not eat, drink or smoke when using this product.
- **P271** Use only outdoors or in a well-ventilated area.
- **P272** Contaminated work clothing should not be allowed out of the workplace.
- **P273** Avoid release to the environment.
- **P280** Wear protective gloves/protective clothing/eye protection/face protection.
- **P284** Wear respiratory protection if ventilation is inadequate.

### Response

- **P301+P330+P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- **P302+P352** IF ON SKIN: Wash with plenty of soap and water.
- **P303+P361+P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing.  
Rinse skin with water/shower.
- **P304+P340** IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- **P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **P308+P311** IF exposed or concerned: Call a POISON CENTER/doctor.
- **P308+P313** IF exposed or concerned: Get medical advice/attention.
- **P310** Immediately call a doctor.
- **P312** Call a doctor if you feel unwell.
- **P314** Get medical advice/attention if you feel unwell.
- **P332+P313** If skin irritation occurs: Get medical advice/attention.
- **P333+P313** If skin irritation or rash occurs: Get medical advice/attention.
- **P342+P311** If experiencing respiratory symptoms: Call a doctor.
- **P362+P364** Take off contaminated clothing and wash it before reuse.
- **P363** Wash contaminated clothing before reuse.
- **P391** Collect spillage.

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## Storage

- **P403+P233** Store in a well-ventilated place. Keep container tightly closed.
- **P403+P235** Store in a well-ventilated place. Keep cool.
- **P405** Store locked up.

## Disposal

- **P501** Dispose of contents/container through a licensed industrial waste disposal contractor in accordance with local/regional/national regulations.

**Hazards not otherwise classified:** Not classified or classification not possible.

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## 3. Composition / Information on Ingredients

Substance/Mixture: Mixture

Bottle	Chemical component	Wt(%)	Chemical formula	CAS No.
S-1	Sodium thiosulfate	5%	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	7772-98-7
S-2	Silver nitrate	10%	AgNO <sub>3</sub>	7761-88-8
S-3	Sodium hydroxide	4.95%	NaOH	1310-73-2
S-4	Formalin	0.95%	CH <sub>2</sub> O	50-00-0

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## 4. First-Aid Measures

### S-2

**If inhaled:** Have the person blow their nose and rinse their mouth with saline solution.

**If on skin:** Wash thoroughly with plenty of water and soap. If inflammation occurs, seek medical attention.

**If in eyes:** Immediately rinse with weak saline solution, then flush thoroughly with plenty of water for at least 15 minutes.

**If swallowed:** Perform gastric lavage with 1-2% saline solution. Give 5% protein-containing saline

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solution, such as egg white or milk, every 15 minutes, and administer a laxative. Seek immediate medical attention.

### **S-3**

**If inhaled:** Move the person to fresh air, rinse the mouth, and keep the person warm and at rest. Administer oxygen if breathing is difficult. If breathing has stopped, give artificial respiration. Seek immediate medical attention.

**If in eyes:** Immediately flush with plenty of clean water for at least 15 minutes, lifting upper and lower eyelids occasionally. Seek immediate medical attention.

**If on skin:** Remove contaminated clothing and shoes, and wash skin thoroughly with plenty of water. Seek immediate medical attention.

**If swallowed:** Rinse mouth and drink plenty of water. Seek immediate medical attention. Do not induce vomiting, as this may cause chemical pneumonitis.

**Protection of first-aid responders:** Remove contaminated clothing and protective equipment. Wear gloves and take precautions to avoid contact with hazardous materials.

### **S-4**

**If inhaled:** Move the person to fresh air and keep warm and at rest. Seek immediate medical attention. If breathing has stopped, give artificial respiration. If breathing is difficult, administer oxygen.

**If in eyes:** Immediately flush with plenty of clean water for at least 15 minutes, lifting upper and lower eyelids occasionally. Seek immediate medical attention.

**If on skin:** Remove contaminated clothing and shoes, and wash skin thoroughly with plenty of water and soap. Seek immediate medical attention.

**If swallowed:** Rinse mouth, drink plenty of water to dilute, induce vomiting, and seek immediate medical attention.

**Protection of first-aid responders:** Rescuers should wear suitable protective equipment such as rubber gloves and tightly fitting goggles.

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## **5. Fire-Fighting Measures**

### **S-2**

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**Suitable extinguishing media:** Large quantities of water.

**Specific hazards:** This product may promote the combustion of other combustible materials.

Irritating or toxic fumes/gases may be generated during fire.

**Advice for firefighters:** Fight fire from upwind. Wear appropriate protective equipment, including respiratory protection if necessary.

### S-3

**Suitable extinguishing media:** Not combustible.

**Specific hazards:** The raw material itself is nonflammable. However, the solution in dust or extinguishing water is corrosive. The material is hygroscopic, and its solution is slippery.

**Advice for firefighters:** Fight fire from upwind. Always wear protective equipment.

### S-4

**Suitable extinguishing media:** Water spray, dry chemical, carbon dioxide, foam.

**Specific hazards:** In a nearby fire, methanol used as a stabilizer may vaporize upon heating and ignite.

**Specific fire-fighting measures:** Eliminate the source of fire and extinguish using appropriate extinguishing media. Prevent fire spread. Cool surrounding areas with water spray. Move containers to a safe place if this can be done without risk.

**Advice for firefighters:** Fight fire from upwind. Always wear protective equipment.

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## 6. Accidental Release Measures

### S-2

**Personal precautions, protective equipment and emergency procedures:** Ensure adequate ventilation indoors. Restrict access to the spill area to authorized personnel only. Wear suitable protective equipment to avoid skin contact and inhalation of dust or gases. Work from upwind and evacuate people downwind.

**Environmental precautions:** Prevent release into rivers, drains, or the environment.

Contaminated wastewater must not be discharged without proper treatment.

**Methods for containment and cleanup:** Keep away from ignition sources. Collect spilled material

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into empty plastic or glass containers where possible. Convert to silver chloride with salt water, then rinse thoroughly with plenty of water.

### **S-3**

**Personal precautions, protective equipment and emergency procedures:** Ensure adequate ventilation indoors. Restrict access to the spill area to authorized personnel only. Wear suitable protective equipment. Work from upwind and evacuate people downwind. Spilled area may be slippery.

**Environmental precautions:** Prevent release into rivers, drains, or the environment. Contaminated wastewater must not be discharged without proper treatment.

**Methods for containment and cleanup:** Collect spilled material into empty plastic or glass containers where possible. If necessary, carefully neutralize with dilute acid and rinse thoroughly with plenty of water.

### **S-4**

**Personal precautions, protective equipment and emergency procedures:** Wear suitable protective equipment to avoid skin contact and inhalation of dust or gases. Work from upwind and evacuate people downwind.

**Environmental precautions:** Prevent release into rivers, drains, or the environment. Contaminated wastewater must not be discharged without proper treatment. When washing the area with large amounts of water, prevent highly concentrated wastewater from entering waterways.

**Methods for containment and cleanup:** Wearing appropriate protective equipment, absorb spilled liquid with rags or cloths and collect into an empty container as much as possible. Then rinse thoroughly with plenty of water.

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## **7. Handling and Storage**

### **S-2**

#### **Handling**

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**Technical measures:** Keep away from open flames, impact, heat, and sparks. Avoid contact with acids, combustible materials, reducing agents, etc.

If this product contacts clothing or other combustible materials, they may become highly flammable. Contaminated clothing should be rinsed thoroughly with water and not left unattended.

Do not handle the container roughly, such as by tipping, dropping, striking, or dragging. Prevent leakage, spillage, and splashing. Avoid unnecessary generation of vapor or mist. Reseal the container after use.

Wash hands and face thoroughly after handling. Eating, drinking, and smoking are prohibited except in designated areas. Contaminated protective equipment must not be taken into rest areas.

**Precautions for safe handling:** Wear suitable protective equipment to avoid inhalation and contact with eyes, skin, and clothing. Use local exhaust ventilation indoors. As this is an oxidizing substance, avoid contact with organic matter.

## Storage

**Conditions for safe storage:** Store tightly closed in a cool, dark place away from direct sunlight, such as a refrigerator. Keep away from combustible materials.

**Technical measures:** Store in a well-ventilated place. Keep away from open flames.

**Incompatible materials:** Ammonia, strong acids, strong alkalis, combustible materials, reducing agents, magnesium.

**Suitable container materials:** Polypropylene, polyethylene, glass.

## S-3

### Handling

**Technical measures:** This is an alkaline substance and reacts with acids to generate heat. Avoid contact with acidic substances.

This product is highly hygroscopic; keep container tightly closed after use.

Do not handle the container roughly. Prevent leakage, spillage, and splashing. Avoid unnecessary generation of vapor or mist.

**Precautions for safe handling:** Wear suitable protective equipment to avoid inhalation and contact with eyes, skin, and clothing. Use local exhaust ventilation indoors.

### Storage

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**Conditions for safe storage:** Store tightly closed in a cool, dark place away from direct sunlight, such as a refrigerator.

**Technical measures:** Store locked up. Protect from moisture.

**Incompatible materials:** Acids.

**Suitable container materials:** Polypropylene, polyethylene, glass.

## S-4

### Handling

**Technical measures:** Keep away from open flames, high temperatures, and sparks. Avoid contact with strong oxidizing agents. Avoid contact with eyes and skin.

Do not handle the container roughly. Prevent leakage, spillage, and splashing. Avoid unnecessary generation of vapor or mist. Reseal after use.

Wash hands and face thoroughly after handling.

**Precautions for safe handling:** Wear suitable protective equipment to avoid inhalation and contact with eyes, skin, and clothing. Use local exhaust ventilation indoors.

### Storage

**Conditions for safe storage:** Store in a designated, cool, dry, well-ventilated place (20–30° C), protected from light.

**Technical measures:** Store in a well-ventilated place. Protect from sunlight. Keep away from open flames. Store locked up.

**Incompatible materials:** Strong oxidizing agents. Do not store near ignition sources.

**Suitable container materials:** Polypropylene, polyethylene, glass.

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## 8. Exposure Controls / Personal Protection

### S-2

**Engineering controls:** Use closed systems or local exhaust ventilation in indoor workplaces.

Install safety showers and eyewash/handwash facilities near handling areas and clearly identify their locations.

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**Control parameters:** Not established.

**Occupational exposure limits:**

- ACGIH TLV: TWA 0.01 mg(Ag)/m<sup>3</sup>
- OSHA PEL: TWA 0.01 mg(Ag)/m<sup>3</sup>
- Japan Society for Occupational Health: 0.01 mg/m<sup>3</sup> (Ag)

**Personal protective equipment:**

- Respiratory protection: Dust mask (self-contained breathing apparatus in case of fire)
- Hand protection: Protective gloves
- Eye protection: Safety glasses
- Skin/body protection: Protective boots, protective clothing

### S-3

**Engineering controls:** Use closed systems or local exhaust ventilation in indoor workplaces. Install safety showers and eyewash/handwash facilities near handling areas and clearly identify their locations.

**Control parameters:** Not established.

**Occupational exposure limits:**

- ACGIH TLV: Ceiling 2 mg/m<sup>3</sup>
- OSHA PEL: Ceiling 2 mg/m<sup>3</sup>
- Japan Society for Occupational Health: Ceiling 2 mg/m<sup>3</sup>

**Personal protective equipment:**

- Respiratory protection: Gas mask, dust mask, self-contained breathing apparatus
- Hand protection: Protective gloves
- Eye protection: Safety glasses, goggles, or full-face protection
- Skin/body protection: Protective boots, protective clothing

### S-4

**Engineering controls:** Use closed systems or local exhaust ventilation in indoor workplaces. Install safety showers and eyewash/handwash facilities near handling areas and clearly identify their locations.

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**Control parameters / Workplace standard:** 0.1 ppm (formaldehyde)

**Occupational exposure limits:**

- ACGIH TLV: Ceiling 0.3 ppm (0.37 mg/m<sup>3</sup>)
- OSHA PEL: TWA 3 ppm; Ceiling 5 ppm
- Japan Society for Occupational Health: 0.1 ppm (0.12 mg/m<sup>3</sup>), maximum allowable concentration 0.2 ppm (0.24 mg/m<sup>3</sup>)

**Personal protective equipment:**

- Respiratory protection: Organic vapor respirator, air-supplied respirator, self-contained breathing apparatus
  - Hand protection: Protective gloves
  - Eye protection: Safety glasses
  - Skin/body protection: Protective boots, protective clothing
- 

## 9. Physical and Chemical Properties

### S-2

- Appearance: Liquid
- Color: Colorless, transparent
- Odor: No data available
- pH: Nearly neutral
- Melting point/freezing point: No data available
- Initial boiling point and boiling range: No data available
- Flash point: No data available
- Auto-ignition temperature: No data available
- Explosive limits: No data available
- Vapor pressure: No data available
- Relative density: No data available
- Solubility: Miscible with water in all proportions
- Partition coefficient (n-octanol/water): No data available

### S-3

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- Appearance: Liquid
- Color: Colorless
- Odor: Odorless
- pH: Strongly alkaline
- Melting point/freezing point: No data available
- Initial boiling point and boiling range: No data available
- Flash point: No data available
- Auto-ignition temperature: No data available
- Explosive limits: No data available
- Vapor pressure: No data available
- Relative density: No data available
- Solubility: Soluble in water and alcohol
- Partition coefficient (n-octanol/water): No data available

#### S-4

- Appearance: Liquid
  - Color: Colorless or nearly colorless, transparent
  - Odor: Pungent
  - pH: Neutral to slightly acidic
  - Melting point/freezing point: No data available
  - Initial boiling point and boiling range: Approx. 100° C
  - Flash point: No data available
  - Auto-ignition temperature: No data available
  - Explosive limits: Lower 7.0%, Upper 73.0% (as formaldehyde)
  - Vapor pressure: No data available
  - Vapor density: 1.03 (air = 1)
  - Density: 1.08 (20/4° C)
  - Solubility: Very soluble in water and ethanol
  - Partition coefficient (n-octanol/water): No data available
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## 10. Stability and Reactivity

#### S-2

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**Stability:** Strong oxidizing agent; may ignite when mixed with combustible materials.

Decomposes and blackens on exposure to light.

**Conditions to avoid:** Sunlight, heat

**Hazardous decomposition products:** Silver, nitrogen oxides

### **S-3**

**Stability:** Stable. Deliquescent. Strongly alkaline and readily absorbs carbon dioxide.

**Possibility of hazardous reactions:** Aqueous solution corrodes metals such as aluminum, tin, and zinc. Hydrogen gas generated during corrosion may form explosive mixtures with air.

**Conditions to avoid:** Sunlight, heat, acids

**Hazardous decomposition products:** No data available

### **S-4**

**Stability:** Stable. Prolonged storage may produce paraformaldehyde and cause cloudiness at low temperatures.

**Possibility of hazardous reactions:** No data available

**Conditions to avoid:** Sunlight, heat, open flames, high temperatures, sparks, static discharge, other ignition sources, refrigeration

**Hazardous decomposition products:** Carbon monoxide

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## **11. Toxicological Information**

### **S-2**

No data are available for the mixture itself. Data are based on silver nitrate.

**Acute toxicity:**

- Rat oral LD50: 1,173 mg/kg
- Rat intraperitoneal LD50: 83 mg/kg
- Mouse oral LD50: 50 mg/kg
- Mouse intraperitoneal LD50: 17 mg/kg

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**Skin corrosion/irritation:** Considered corrosive based on guinea pig skin irritation data.

**Serious eye damage/irritation:** Severe irritation in rabbits; considered highly irritating.

**Germ cell mutagenicity:** No data available.

**Carcinogenicity:** No data available.

**Reproductive toxicity:** Testicular effects including seminiferous tubule necrosis have been reported.

**STOT–single exposure:** May affect the blood system and respiratory tract; airway irritation reported.

**STOT–repeated exposure:** May affect lungs, kidneys, and cardiovascular system.

### **S–3**

No data are available for the mixture itself. Data are based on sodium hydroxide.

#### **Acute toxicity:**

- Mouse intraperitoneal LD50: 40 mg/kg
- Rabbit oral LDLo: 500 mg/kg
- Human oral LDLo: 1.57 mg/kg

**Skin corrosion/irritation:** Causes irritation and severe corrosion depending on concentration.

**Serious eye damage/irritation:** Causes severe eye damage.

**Germ cell mutagenicity:** No data available.

**Carcinogenicity:** No data available.

**STOT–single exposure:** Irritates the respiratory system and may cause pulmonary edema.

### **S–4**

No data are available for the mixture itself. Data are based on formaldehyde.

#### **Acute toxicity:**

- Rat oral LD50: 100 mg/kg
- Rat inhalation LC50: 203 mg/m<sup>3</sup>
- Rat subcutaneous LD50: 420 mg/kg
- Rat intravenous LD50: 87 mg/kg
- Mouse oral LD50: 42 mg/kg
- Mouse inhalation LC50: 454 g/m<sup>3</sup>/4 h

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- Mouse intraperitoneal LDLo: 16 mg/kg
- Mouse subcutaneous LD50: 300 mg/kg
- Rabbit dermal LD50: 270 mg/kg

**Skin corrosion/irritation:** Severe irritation/corrosion.

**Serious eye damage/irritation:** Severe eye irritation.

**Respiratory sensitization:** Known respiratory sensitizer.

**Skin sensitization:** Known skin sensitizer.

**Germ cell mutagenicity:** Positive results reported in some in vivo somatic cell tests; germ cell data insufficient.

**Carcinogenicity:**

- IARC: Group 1
- NTP: Known to be a human carcinogen
- ACGIH: A2
- Japan Society for Occupational Health: Group 2A

**STOT–single exposure:** Respiratory irritation, nervous system effects, pulmonary edema.

**STOT–repeated exposure:** Respiratory tract effects and irritation–related central nervous system effects have been reported.

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## 12. Ecological Information

### S-2

**Ecotoxicity:** 48-h EC50 (Daphnia magna) = 0.0006 mg/L

**Persistence/degradability:** No data available

**Bioaccumulative potential:** No data available

### S-3

**Ecotoxicity:** Due to strong alkalinity, may be harmful to aquatic organisms.

**Persistence/degradability:** No data available

**Bioaccumulative potential:** No data available

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## S-4

**Ecotoxicity:** 96-h LC50 (fish) = 1.8 mg/L

**Persistence/degradability:** Readily biodegradable

**Bioaccumulative potential:** No data available

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## 13. Disposal Considerations

### S-2

**Residual waste:** Precipitate silver chloride by adding saline solution, then filter. Dispose of in accordance with applicable laws and local regulations. If disposal by this method is not possible, entrust disposal to a licensed industrial waste contractor.

**Contaminated packaging:** Empty containers should be disposed of only after all contents have been removed.

### S-3

**Residual waste:** Prepare a dilute aqueous solution, neutralize with acid (e.g., dilute hydrochloric acid or dilute sulfuric acid), then dilute with a large amount of water before discharge, in accordance with applicable regulations. If this is not possible, entrust disposal to a licensed industrial waste contractor.

**Contaminated packaging:** Empty containers should be disposed of only after all contents have been removed.

### S-4

**Residual waste:** Incinerate in an incinerator equipped with an afterburner. Dispose of in accordance with applicable laws and local regulations. If this is not possible, entrust disposal to a licensed industrial waste contractor.

**Contaminated packaging:** Empty containers should be disposed of only after all contents have been removed.

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## 14. Transport Information

### S-2

**UN number:** 1493

**Proper shipping name:** Silver nitrate

**Hazard class:** 5.1 (Oxidizing substance)

**Packing group:** II

**Marine pollutant:** Not applicable

**Special precautions:** Before transport, confirm that containers are not damaged, corroded, or leaking. Avoid dropping or impact. Load securely to prevent movement or collapse. Protect from high temperatures and sparks.

### S-3

**UN number:** 1824

**Proper shipping name:** Sodium hydroxide solution

**Hazard class:** 8 (Corrosive substance)

**Packing group:** II

**Marine pollutant:** Not applicable

**Special precautions:** Before transport, confirm that containers are not damaged or leaking. Load securely to prevent tipping, falling, or shifting.

### S-4

**UN number:** 1198

**Proper shipping name:** Formaldehyde solution, flammable

**Hazard class:** 3

**Packing group:** III

**Marine pollutant:** Not applicable

**Special precautions:** Ensure containers do not leak. Prevent overturning, dropping, or damage during loading and transport. Secure cargo to prevent shifting.

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## 15. Regulatory Information

### S-2

- PRTR Act: Class I Designated Chemical Substance No. 82
- Poisonous and Deleterious Substances Control Act: Not applicable
- Industrial Safety and Health Act: Article 57-2; substances requiring notification of name, etc. No. 137
- Fire Service Act: Not applicable
- Civil Aeronautics Act: Oxidizing substances
- Ship Safety Act: Oxidizing substances

### S-3

- PRTR Act: Not applicable
- Poisonous and Deleterious Substances Control Act: Not applicable
- Industrial Safety and Health Act: Article 57-2; substances requiring notification of name, etc. No. 319
- Fire Service Act: Not applicable
- Ship Safety Act: Corrosive substances
- Civil Aeronautics Act: Corrosive substances

### S-4

- PRTR Act: Class I Designated Chemical Substance No. 411
- Poisonous and Deleterious Substances Control Act: Not applicable
- Industrial Safety and Health Act: Article 57-2; substances requiring notification of name, etc. Nos. 548 and 560
- Ordinance on Prevention of Hazards due to Specified Chemical Substances: Class II specified chemical substances
- Ordinance on Prevention of Organic Solvent Poisoning: Class II organic solvents
- Workplace environment measurement standards / evaluation standards
- Fire Service Act: Substances requiring notification / substances interfering with fire-fighting activities
- Ship Safety Act: Corrosive substances
- Civil Aeronautics Act: Corrosive substances

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- Air Pollution Control Act: Article 17, Paragraph 1 (Specified substances); hazardous air pollutants (priority substances)
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## 16. Other Information

This Safety Data Sheet (SDS) is based on information and data currently available and may be revised in light of new findings. The precautions described herein apply only to normal handling. If the product is used in a special manner, appropriate safety measures suitable for the intended application and method of use should be implemented by the user.

Although great care has been taken in preparing this SDS, no warranty is made regarding its accuracy.