



# SAFETY DATA SHEET

According to Regulation of US OSHA, EPA, DOT, and other US Authorities

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**AD Silver Jewelry Cleaner**

Model No: 1046, 1020, 773(xx)

## SECTION 1: Identification

### 1.1. Product identifier

Product form : Mixture  
 Trade name : AD Silver Jewelry Cleaner

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Intended for general public  
 Use of the substance/mixture : Jewelry cleaner

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer

Connoisseurs Products Corporation  
 17 Presidential Way  
 Woburn, MA 01801-1040  
<http://www.connoisseurs.com>  
[info@connoisseurs.com](mailto:info@connoisseurs.com)

### 1.4. Emergency telephone number

Emergency number : Chemtrec US: 1 (800) 424-9300 (24 hrs)  
 Chemtrec Outside US: 1 (703) 527-3887 (24 hrs)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to OSHA 29CFR 1910.1200

Serious eye damage/eye irritation, Category 2A	H319
Carcinogenicity, Category 2	H351
Reproductive toxicity, Category 2	H361
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412

Full text of H statements : see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

#### Labeling according to OSHA

Hazard pictograms (CLP) :



GHS07

GHS08

Signal word (CLP) :

Warning

Hazardous ingredients :

Thiourea

Hazard statements (CLP) :

H319 - Causes serious eye irritation.  
 H351 - Suspected of causing cancer.  
 H361 - Suspected of damaging fertility or the unborn child.  
 H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P102 - Keep out of reach of children.  
 P201 - Obtain special instructions before use.  
 P280 - Wear eye protection, protective gloves, protective clothing.  
 P308+P313 - IF exposed or concerned: Get medical advice/attention.  
 P405 - Store locked up.  
 P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards not contributing to the classification

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Thiourea	(CAS-No.) 62-56-6 (EC-No.) 200-543-5 (EC Index-No.) 612-082-00-0	5-10%	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Repr. 2, H361d Aquatic Chronic 2, H411
Sulfuric acid	(CAS-No.) 7664-93-9 (EC-No.) 231-639-5 (EC Index-No.) 016-020-00-8	1-4%	Skin Corr. 1A, H314
C12-15 parath-9	(CAS-No.) 68131-39-5 (EC-No.) 500-195-7	1-3%	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Undeceth-7	(CAS-No.) 34398-01-1 (EC-No.) 500-084-3	1-3%	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. Suspected of causing cancer. IF exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Get medical advice if skin irritation persists.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Obtain emergency medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/effects after inhalation : May be harmful if inhaled.
- Symptoms/effects after skin contact : If skin irritation or rash occurs: Get medical advice/attention.
- Symptoms/effects after eye contact : Causes serious eye irritation.
- Symptoms/effects after ingestion : May be harmful if swallowed.
- Chronic symptoms : Suspected of causing cancer. Suspected of damaging fertility or the unborn child.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray.
- Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Combustion may produce irritating fumes. minimal fire hazard.
- Explosion hazard : None known.
- Hazardous decomposition products in case of fire : Fume. Carbon monoxide. Carbon dioxide.

### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.  
Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13: "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene measures : Wash hands thoroughly after handling. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from :  
Incompatible materials. Keep container closed when not in use.

Incompatible materials : Strong acids, bases.

### 7.3. Specific end use(s)

Refer to section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Sulfuric acid (7664-93-9)

USA - ACGIH	0.2 mg/m <sup>3</sup> ACGIH TWA
USA - OSHA	1.0 mg/m <sup>3</sup> OSHA TWA

#### Thiourea (62-56-6)

USA - ACGIH	10 mg/m <sup>3</sup> (inhalable fraction) ACGIH TWA 3 mg/m <sup>3</sup> (respirable fraction)
USA - OSHA	15 mg/m <sup>3</sup> (total dust) OSHA TWA 5 mg/m <sup>3</sup> (respirable fraction)

### 8.2. Exposure controls

#### Appropriate engineering controls:

Provide adequate ventilation. Provide local exhaust or general room ventilation to minimize vapour concentrations. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

#### Hand protection:

Impervious gloves e.g. PVC, nitrile rubber, butyl rubber

#### Eye protection:

Chemical goggles or safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Use a properly fitted, air-purifying or air-fed respirator if necessary.

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: Mint.
Odour threshold	: No data available
pH	: 1.25
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: ≈ 100 °C
Flash point	: >93 °C (>200°F)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.03 g/cm <sup>3</sup>
Density	: 1.03 g/ml
Solubility	: Soluble in water
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None under normal conditions.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Powdered metals.

### 10.6. Hazardous decomposition products

Combustion may produce irritating fumes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Additional information	: Based on available data, the classification criteria are not met

#### C12-15 pareth-9 (68131-39-5)

LD50 oral rat	1600 mg/kg
LD50 dermal rabbit	2500 mg/kg

#### Thiourea (62-56-6)

LD50 oral rat	1750 mg/kg
LD50 dermal rat	> 6810 mg/kg
LC50 inhalation rat (mg/l)	> 0.9 mg/l/4h

Skin corrosion/irritation	: Not classified. pH: 1.25
Additional information	: Based on available data, the classification criteria are not met

Serious eye damage/irritation	:	Causes serious eye irritation. pH: 1.25
Respiratory or skin sensitisation	:	Not classified
Additional information	:	Based on available data, the classification criteria are not met
Germ cell mutagenicity	:	Not classified
Additional information	:	Based on available data, the classification criteria are not met
Carcinogenicity	:	Suspected of causing cancer.

#### Sulfuric acid (mist) (7664-93-9)

IARC group 1 - Carcinogenic to humans

#### Thiourea (62-56-6)

IARC group 3 - Not classifiable

Reproductive toxicity	:	Suspected of damaging fertility or the unborn child.
STOT-single exposure	:	Not classified
Additional information	:	Based on available data, the classification criteria are not met
STOT-repeated exposure	:	Not classified
Additional information	:	Based on available data, the classification criteria are not met
Aspiration hazard	:	Not classified
Additional information	:	Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	:	Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	:	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Ecology - water	:	Harmful to aquatic life with long lasting effects.
Acute aquatic toxicity	:	Not classified
Chronic aquatic toxicity	:	Harmful to aquatic life with long lasting effects.

#### Thiourea (62-56-6)

LC50 fish 1	> 600 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
LC50 fish 2	10000 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)
EC50 Daphnia 1	35 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h algae (1)	3.8 - 10 mg/l (Species: Desmodesmus subspicatus)
EC50 96h algae (1)	6.8 mg/l (Species: Desmodesmus subspicatus)

### 12.2. Persistence and degradability

#### AD Silver Jewelry Cleaner

Persistence and degradability May cause long-term adverse effects in the environment.

### 12.3. Bioaccumulative potential

#### AD Silver Jewelry Cleaner

Bioaccumulative potential Not established.

#### Thiourea (62-56-6)

Log Pow -0.92 (at 20 °C)

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Additional information : Avoid release to the environment.




## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations	:	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Ecology - waste materials	:	Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / DOT / IMDG

ADR	IMDG	DOT
<b>14.1. UN number</b>		
3264	3264	3264
<b>14.2. UN proper shipping name</b>		
CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
<b>Transport document description</b>		
UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Sulfuric Acid), 8, III, LTD. QTY.	UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Sulfuric Acid), 8, III, LTD. QTY.	UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Sulfuric Acid), 8, III, LTD. QTY.
<b>14.3. Transport hazard class(es)</b>		
		
<b>14.4. Packing group</b>		
III	III	III
<b>14.5. Environmental hazards</b>		
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
No supplementary information available		
<b>14.6. Special precautions for user</b>		
No additional information available		
<b>14.7. Transport in bulk according to Annex II of Marpol and the IBC Code</b>		
Not applicable		

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. US-Regulations

**SARA REPORTING REQUIREMENTS:** This product is subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows: CAS# 7664-93-9 Sulfuric Acid SARA 302 TPQ 1,000 Lbs (454 Kg), SARA 304 RQ 1,000 Lbs (454 Kg); CAS# 62-56-6 Thiourea SARA 313.

**TSCA:** All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

**SARA 311/312:**

**ACUTE HEALTH:** YES      **CHRONIC HEALTH:** YES      **FIRE:** NO      **REACTIVITY:** YES

**U.S. SARA THRESHOLD PLANNING QUANTITY:** There are no specific Threshold Planning Quantities for this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

**U.S. CERCLA REPORTABLE QUANTITY (RQ):** CAS# 62-56-6 Thiourea RQ. 10 Lbs (4.54 Kg), CAS# 7664-93-9 Sulfuric Acid RQ. 1,000 Lbs (454 Kg).

#### 15.1.2. State regulations

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):** This product contains ingredients that are on the California Proposition 65 lists: Thiourea

**WARNING!** This product contains ingredients that are known to the State of California to cause cancer, birth defects, or other reproductive harm.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Abbreviations and acronyms:

CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
STEL	Short-Term Exposure Limit
TWA	Time Weighted Average
vPvB	Very Persistent and Very Bioaccumulative

Other information : None.

**Full text of H- and EUH-statements:**

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**Classification and procedure used to derive the classification for mixtures according to regulations:**

Eye Irrit. 2A	H319
Carc. 2	H351
Repr. 2	H361
Aquatic Chronic 3	H412

Sources of Key data : REGULATION (US): 29CFR, 49CFR, 40CFR  
by reference: UN Model GHS- ST/SG/AC.10/30/Rev.4

Other information : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

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