

# SAFETY DATA SHEET

## HAGERTY SILVER DIP PROFESSIONAL USE

Version: 1

First edition date: 28/05/15

RE EC/830/2015 - ISO 11014-1

### 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1. 1. Product identifier: HAGERTY SILVER DIP PROFESSIONAL USE
1. 1. 1. Contains: • thiourea; thiocarbamide
1. 1. 2. EC number: Not applicable.
1. 2. Relevant identified uses of the substance or mixture and uses advised against: Cleaning silver jewelery
1. 3. Details of the supplier of the safety data sheet: Hagerty SA  
Promenade-Noire 1  
CH-2000 Neuchâtel  
Switzerland  
Phone: +41 32 724 44 64  
E-mail: www.hagerty.world
1. 4. Emergency telephone number: UK - National Poisons Information Service Phone: 44 / 191 22 5131
1. 5. Formula: 191469
1. 6. Product code nr: A100403

### 2. HAZARDS IDENTIFICATION

2. 1. Classification of the substance or mixture: In accordance with Regulation (EC) No 1272/2008 and its adaptations  
\* Skin Corr. 1A / SGH05 - H314 \*  
\* Carc. 2 / SGH08 - H351 \*  
\* Repr. 2 / SGH08 - H361 \*  
\* Aquatic. Chronic 3 / H412 \*

#### 2. 2. Label elements:



Danger -

#### 2. 2. 1. Symbol(s) and signal word:

#### 2. 2. 2. Hazard statement:

H314 Causes severe skin burns and eye damage.  
H351 Suspected of causing cancer.  
H361 Suspected of damaging fertility or the unborn child.  
H412 Harmful to aquatic life with long lasting effects.

#### 2. 2. 3. Prevention:

P264 Wash hands thoroughly after handling.  
P202 Do not handle until all safety precautions have been read and understood.

#### 2. 2. 4. Response:

P301 IF SWALLOWED:  
P330 Rinse mouth.  
P331 Do NOT induce vomiting.  
P303 IF ON SKIN (or hair):  
P353 Rinse skin with water / shower.  
P310 Immediately call a POISON CENTER / doctor.  
P305 IF IN EYES:  
P351 Rinse cautiously with water for several minutes.

#### 2. 2. 5. Storage:

P405 Store locked up.

#### 2. 2. 6. Disposal:

# SAFETY DATA SHEET

## HAGERTY SILVER DIP PROFESSIONAL USE

Version: 1

First edition date: 28/05/15

RE EC/830/2015 - ISO 11014-1

2. 3. Further information(s): P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.
2. 4. Other hazards: The solution in water is a strong acid, it reacts violently with bases and is corrosive.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

3. 1. Component(s) contributing to the hazard:
- thiourea; thiocarbamide
    - Id nr: 612-082-00-0 - CE nr: 200-543-5 - CAS nr: 62-56-6
    - Conc. (weight %) : 5 < C < 10
    - SGH :
    - \* SGH07 - Exclamation mark - Warning - Acute Tox. 4 - H302 \* SGH08 - Health hazard - Repr. 2 - H361 - Carc. 2 - H351
    - \* SGH09 - Environment - Aquatic. Chronic 2 - H411
  - citric acid monohydrate
    - CE nr: 201-069-1 - CAS nr: 5949-29-1
    - REACH registration number : 01-2119457026-42
    - Conc. (weight %) : 1 < C < 5
    - SGH :
    - \* SGH07 - Exclamation mark - Warning - Irr. oc. 2 - H319 - Irr. oc. 2A
  - ethoxylated fatty alcohol
    - CAS nr: 157627-86-6
    - Conc. (weight %) : 1 < C < 5
    - SGH :
    - \* SGH07 - Exclamation mark - Warning - Acute Tox. 4 - H302 \* SGH05 - Corrosion - Danger - Eye Dam. 1 - H318
    - Aquatic. Chronic 3 - H412
    - Miscellaneous :
    - NOEC / = >0,1 - <1 mg/l
    - LC50 / Acute toxicity - aquatic / 48h / Fish = >1 - <10 mg/l
    - CE50 / Acute toxicity - aquatic / 72h / Algae = >1 - <10 mg/l
    - CE50 / Acute toxicity - aquatic / 48h / Daphnia magna = >1 - <10 mg/l
  - phosphoric acid , orthophosphoric acid
    - CAS nr: .7664-38-2
    - REACH registration number : 01-2119485924-24
    - Conc. (weight %) : 1 < C < 5
    - SGH :
    - \* SGH05 - Corrosion - Warning - Met. Corr. 1 - H290
    - \* SGH05 - Corrosion - Danger - Skin Corr. 1B - H314
  - 1-amino-2-heptadecenyl Imidazoline
    - CE nr: 202-414-9 - CAS nr: 95-38-5
    - Conc. (weight %) : 0 < C < 1
    - SGH :
    - \* SGH07 - Exclamation mark - Warning - Acute Tox. 4 - H302 \* SGH05 - Corrosion - Danger - Skin Corr. 1A - H314
    - \* SGH09 - Environment - Warning - Aquatic Acute 1 - H400

The wording of the sentences are mentioned at heading 16.

### 4. FIRST AID MEASURES

4. 1. Description of first aid measures:
4. 1. 1. General advice: In case of doubt or persistent symptoms, consult always a physician.
4. 1. 2. Inhalation: Place the subject in a ventilated area.
4. 1. 3. Skin contact: Take off contaminated clothes, wash skin with plenty of water or have a shower (during minimum 30 minutes) and if necessary take medical advice.
4. 1. 4. Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
4. 1. 5. Ingestion: If swallowed, seek medical advice immediately and show this container or label.
4. 2. Most important symptoms and effects, both acute and delayed: For symptom description, see item 11.
4. 2. 1. Inhalation: Not Concerned

---

# SAFETY DATA SHEET

## HAGERTY SILVER DIP PROFESSIONAL USE

Version: 1

First edition date: 28/05/15

RE EC/830/2015 - ISO 11014-1

---

- |  |                            |
|--|----------------------------|
| 4. 2. 2. Skin contact:   | Causes severe burns.       |
| 4. 2. 3. Eyes contact:   | Risk of serious eye injury |
| 4. 2. 4. Ingestion:  | No data available.         |
| 4. 3. Indication of any immediate medical attention and special treatment needed : | Notes to physician         |

### 5. FIREFIGHTING MEASURES

- |  |  |
|--|--|
| 5. 1. Extinguishing media:   | In case of fire in the surroundings: all extinguishing agents allowed. |
| 5. 2. Special hazards arising from the substance or mixture:         | In case of fire and/or explosion do not breathe fumes.                 |
| 5. 3. Advice for firefighters:                                       | Use a self-contained breathing apparatus and also a protective suit.   |
| 5. 4. Extinguishing media which must NOT be used for safety reasons: | None.  |

### 6. ACCIDENTAL RELEASE MEASURES

- |  |  |
|--|--|
| 6. 1. Personal precautions, protective equipment and emergency procedures: | Avoid contact with skin, eyes, or clothing.  |
| 6. 2. Environmental precautions:   | Prevent liquid from entering sewers, watercourses, underground or low areas.   |
| 6. 3. Methods and material for containment and cleaning up:                | Soak up with absorbent material (for example sand, sawdust, neutral absorbent granule, silica gel).<br>Shovel or sweep up and put in a closed container for disposal.<br>After cleaning, flush traces away with water. |
| 6. 4. Reference to other sections:   | Concerning personal protective equipment to use, see item 8.<br>Concerning disposal elimination after cleaning, see item 13.   |

### 7. HANDLING AND STORAGE

- |  |   |
|--|---|
| 7. 1. Handling:  |   |
| 7. 1. 1. Precautions for safe handling:                                | Avoid contact with skin and eyes.<br>When using do not eat or drink.  |
| 7. 1. 2. Technical condition(s):                                       | Keep away from frost  |
| 7. 1. 3. Safe handling advice(s):                                      | Keep container tight closed.<br>Open container carefully to avoid spurting.   |
| 7. 2. Storage:   |   |
| 7. 2. 1. Conditions for safe storage, including any incompatibilities: | Store always product in container of same material as original container.<br>Keep locked up and out of the reach of children. |
| 7. 2. 2. Storage condition(s):   | Keep out of frost<br>Keep away from food, drink and animal feedingstuffs.   |
| 7. 2. 3. Separation of incompatible product(s):                        | Keep away from: bases   |
| 7. 2. 4. Packaging / tank material:                                    | made of the same material as the supply container.  |
| 7. 3. Specific end use(s):   | Consumer Use  |

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- |                                  |  |
|----------------------------------|--|
| 8. 1. Control parameters:        |  |
| 8. 1. 1. Exposure limit(s):      |  |
| 8. 2. Exposure controls:         |  |
| 8. 2. 1. Respiratory protection: | No personal breathing protective equipment is normally required.<br>In case of insufficient ventilation wear suitable respiratory equipment. |
| 8. 2. 2. Hand protection:        | When skin exposure may occur, advice should be sought from glove suppliers on appropriate types. neoprene gloves                             |

# SAFETY DATA SHEET

## HAGERTY SILVER DIP PROFESSIONAL USE

Version: 1

First edition date: 28/05/15

RE EC/830/2015 - ISO 11014-1

8. 2. 3. Skin and body protection: complete protective suit against chemicals
8. 2. 4. Eye protection: Wear eye/face protection
8. 3. Hygiene measure(s): Handle in accordance with good industrial hygiene and safety practice.  
Remove and wash contaminated clothing before re-use.  
Avoid contact with the skin and the eyes.  
Do not eat, drink, or smoke during work.  
Before removing gloves clean them with soap and water.  
Pregnant women may avoid to breathe or to have skin contact with product.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

9. 1. Information on basic physical and chemical properties:

9. 1. 1. Appearance: liquid
9. 1. 2. Colour: blue
9. 1. 3. Odour: Lavender
9. 1. 4. PH: 0,5
9. 1. 5. Boiling point/range: Not determined.
9. 1. 6. Flash point: Not determined.
9. 1. 7. Explosion limits: Explosive limits are unknown in literature.
9. 1. 8. Relative density (water = 1): 1.000 à 20°C
9. 1. 9. Viscosity: Not applicable.
9. 2. Other information:
9. 2. 1. Water solubility: water-soluble product
9. 2. 2. Fat solubility: Not concerned
9. 2. 3. Solvent solubility: Not concerned

### 10. STABILITY AND REACTIVITY

10. 1. Reactivity: Stable under the recommended storage and handling conditions. (See Section 7).
10. 2. Chemical stability: Stable at the handling and storage conditions recommended Section 7 of the SDS.
10. 3. Possibility of hazardous reactions: Never mix with other products.
10. 4. Conditions to avoid: NO contact with hot surfaces.
10. 5. Incompatible materials: Do not mix with: des bases
10. 6. Hazardous decomposition products: Do not breathe fumes.

### 11. TOXICOLOGICAL INFORMATION

11. 1. Information on toxicological effects: There is no data available on the product itself.
11. 2. Acute toxicity:
11. 2. 1. Inhalation: Not Concerned
11. 2. 2. Skin contact: Causes severe burns.
11. 2. 3. Eyes contact: Risk of serious eye injury
11. 2. 4. Ingestion: No data available.

### 12. ECOLOGICAL INFORMATION

12. 1. Toxicity: Ecological problems are not known or expected under normal use.
12. 2. Persistence and degradability: The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004

---

# SAFETY DATA SHEET

## HAGERTY SILVER DIP PROFESSIONAL USE

Version: 1

First edition date: 28/05/15

RE EC/830/2015 - ISO 11014-1

---

12. 3. Bioaccumulative potential: Not détermined.
12. 4. Mobility in soil: Not détermined.
12. 5. Results of PBT and vPvB assessment: Not détermined.
12. 6. Other adverse effects: Data not available

### 13. DISPOSAL CONSIDERATIONS

13. 1. Waste treatment methods: Collect all waste in suitable and labelled containers and dispose according to local legislation.
13. 2. Contaminated packaging: Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.
13. 3. Local / national disposal regulation(s):

### 14. TRANSPORT INFORMATION

14. 1. General information(s): Transport followed ADR, IMDG, IATA
14. 2. UN number: 1760
14. 2. 1. UN proper shipping name: Corrosive liquid, N.O.S. (contains phosphoric acid)
14. 3. Land (Road / Railway: ADR/RID):
- 14. 3. 1. Transport hazard class(es): 8
  - 14. 3. 2. Packing group: II
  - 14. 3. 3. ADR/RID-Labels: 8
  - 14. 3. 4. Code danger: 80
  - 14. 3. 5. Classification code: C9 274
  - 14. 3. 6. Packing instructions: P001 IBC02
14. 4. Sea (IMDG):
- 14. 4. 1. Class: 8
  - 14. 4. 2. Packaging group: II
  - 14. 4. 3. Marine pollutant: .
  - 14. 4. 4. EmS number: F-A, S-B
  - 14. 4. 5. IMDG-Label(s): 8
  - 14. 4. 6. Packing instructions: P001
14. 5. Air (ICAO/IATA):
- 14. 5. 1. ICAO/IATA class: 8
  - 14. 5. 2. Packing group: II
  - 14. 5. 3. ICAO/IATA-Labels: 8
  - 14. 5. 4. Important remarks: Passager and cargo aircraft
14. 6. Environmental hazards: Not concerned.
14. 7. Special precautions for user: Refer to sections 7 and 8.
14. 8. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not determined.

### 15. REGULATORY INFORMATION

15. 1. Safety, health and environmental regulations/legislation specific for the substance or mixture: According to the EU rules on the classification, packaging and labeling of hazardous substances.

---

# SAFETY DATA SHEET

## HAGERTY SILVER DIP PROFESSIONAL USE

Version: 1

First edition date: 28/05/15

RE EC/830/2015 - ISO 11014-1

---

15. 2. Chemical safety assessment: No data on preparation itself available.

### 16. OTHER INFORMATION

16. 1. According legislation(s): This safety data sheet is in compliance with regulation (CE) 1907/2006 - 1272/2008 and adaptings.

16. 2. Text of the phrases listed in section 3:

H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H400 Very toxic to aquatic life.  
H361 Suspected of damaging fertility or the unborn child <state specific effect if known>  
<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
H351 Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routs of exposure cause the hazard>.  
H411 Toxic to aquatic life with long lasting effects.  
H290 May be corrosive to metals.  
H318 Causes serious eye damage.  
H412 Harmful to aquatic life with long lasting effects.  
H319 Causes serious eye irritation.

16. 3. Important remarks:

It is recommended to pass the information of this safety data sheet, eventually in an appropriated form, to the users.  
Information in this safety data sheet is based on actual knowledge in our possession and our experience.  
It is user's liabilities to take all necessary measures to meet local required laws and regulations.  
Composition of EC Regulation 648/2004:  
Non-ionic surfactants: <5%  
perfume  
|

16. 4. Restrictions:

The product should not be used for purposes other than those shown in Section 16 without first referring to the supplier and obtaining written handling instructions.  
The use of this preparation is reserved to the professional users.

16. 5. History:

16. 5. 1. First edition date: 28/05/15

16. 5. 2. Version: 1

16. 6. Written by: