

SAFETY DATA SHEET

HAGERTY CRYSTAL CLEAN

Version: 1

First edition date: 30/03/15

RE EC/830/2015 - ISO 11014-1

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

1. 1. Product identifier: HAGERTY CRYSTAL CLEAN
1. 1. 1. EC number: Not applicable.
1. 2. Relevant identified uses of the substance or mixture and uses advised against: jewelry cleaner
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: CB1514
1. 6. Product code nr: A116039

2. HAZARDS IDENTIFICATION

2. 1. Classification of the substance or mixture: Classification (EC 1272/2008)
* Liq. infl. 3 / GHS 02 - H226 *
* Irr. oc. 2A / GHS 07 - H319 *
2. 2. Label elements:



Warning -

2. 2. 1. Symbol(s) and signal word: .
2. 2. 2. Hazard statement: H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
2. 2. 3. Prevention: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

2. 2. 4. Response:

P305 IF IN EYES:
P351 Rinse cautiously with water for several minutes.
P337+P313 If eye irritation persists: Get medical advice / attention.

2. 2. 5. Storage:

2. 2. 6. Disposal:

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 weak base.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3. 1. Component(s) contributing to the hazard: • ethanol; ethyl alcohol
- CAS nr: .64-17-5
- REACH registration number : 01-2119457610-43
- Conc. (weight %) : 20 < C <= 25

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- SGH :
- * SGH02 - Flame - Danger - Flam. Liq. 2 - H225
- * SGH07 - Exclamation mark - Warning - Irr. oc. 2 - H319

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: Wash off immediately and plentifully with water for at least 20 minutes.
- 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
- 4. 2. 2. Skin contact: May cause skin irritation / dermatitis.
- 4. 2. 3. Eyes contact: Liquid splashes in the eye may cause irritation.
- 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).
Shovel or sweep up and put in a closed container for disposal.
After cleaning, flush traces away with water.
- 6. 4. Reference to other sections: Concerning personal protective equipment to use, see item 8.
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.
When using do not eat or drink.
 - 7. 1. 2. Technical condition(s): .
 - 7. 1. 3. Safe handling advice(s): Keep container tight closed.
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.

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| 7. 2. 2. Storage condition(s): | Keep out of frost |
| 7. 2. 3. Separation of incompatible product(s): | No incompatible products to be specially mentioned. |
| 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.
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. PVC or other plastic material or natural rubber gloves |
| 8. 2. 3. Skin and body protection: | Wear suitable protective clothing |
| 8. 2. 4. Eye protection: | Wear security glasses which protect from splashes. |

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

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|--|---|
| 9. 1. 1. Appearance: | liquid |
| 9. 1. 2. Colour: | colorless |
| 9. 1. 3. Odour: | characteristic |
| 9. 1. 4. PH: | 10,04 |
| 9. 1. 5. Boiling point/range: | Not determined. |
| 9. 1. 6. Flash point: | 36°C |
| 9. 1. 7. Explosion limits: | Explosive limits are unknown in literature. |
| 9. 1. 8. Relative density (water = 1): | 0.966 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

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|--|---|
| 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: | None |

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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: May cause skin irritation / dermatitis.

11. 2. 3. Eyes contact: Liquid splashes in the eye may cause irritation.

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

12. 3. Bioaccumulative potential: Not determined

12. 4. Mobility in soil: Not determined

12. 5. Results of PBT and vPvB assessment: Not determined

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. UN number: 1170

14. 1. 1. UN proper shipping name: ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

14. 2. Land (Road / Railway: ADR/RID):

14. 2. 1. Transport hazard class(es): 3

14. 2. 2. Packing group: III

14. 2. 3. ADR/RID-Labels: 3

14. 2. 4. Code danger: 30

14. 2. 5. Classification code: 1 144 601

14. 2. 6. Packing instructions: P001 IBC03 LP01 R001

14. 3. Sea (IMDG):

14. 3. 1. Class: 3

14. 3. 2. Packaging group: III

14. 3. 3. EmS number: F-E, S-D

14. 3. 4. IMDG-Label(s): 3

14. 3. 5. Packing instructions: P001 LP01 -/- PP2

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14. 4. Air (ICAO/IATA):

- | | |
|------------------------------|-----------------------------|
| 14. 4. 1. ICAO/IATA class: | 3 |
| 14. 4. 2. Packing group: | III |
| 14. 4. 3. ICAO/IATA-Labels: | 3 |
| 14. 4. 4. Important remarks: | Passager and cargo aircraft |
14. 5. Environmental hazards: Not concerned.
14. 6. Special precautions for user: .
14. 7. 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.
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: H225 Highly flammable liquid and vapour.
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.
1:
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: | 30/03/15 |
| 16. 5. 2. Version: | 1 |
16. 6. Written by: COPAK SA