

Safety Data Sheet

according to 1907/2006/EC

Printing date 07.03.2008

Revision 07.03.2008

1 Product and company identification

- **Brandname:** HAGERTY CRYSTAL CLEAN
- **Application of the product:** A versatile bath that cleans crystal and glass.
- **Manufacturer/Supplier:**
JohnsonDiversey
Rembrandtlaan 414
7545 ZW Enschede, the Netherlands
Tel. +31-534887766
EMail: www.hagertycare.com
- **Information department:** Hagerty Export
- **Emergency information:** Hagerty Export

2 Hazards identification

- **Classification:** Non-dangerous according to the classification systems of the relevant EC guidelines.
- **Hazards for man and the environment:** void
- **Classification system:**
The classification complies with current EC regulations on dangerous substances and preparations.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture in water of non-dangerous ingredients and the substances listed below.

- **Hazardous ingredients:**

| | | | |
|-------------------|-------------|-------------------|-------|
| CAS: 67-63-0 | propan-2-ol | Xi, F; R 11-36-67 | 5-15% |
| EINECS: 200-661-7 | | | |

- **Ingredients according to EC Detergents Regulation 648/2004**

perfumes

- **Additional information:** The full text of the relevant risk phrases is given in section 16.

4 First aid measures

- **General information:** No special measures required.
- **Inhalation:** No special measures required.
- **Skin contact:** No special measures required.
- **Eye contact:** Wash immediately with copious amounts of water and obtain medical attention.
- **Ingestion:**
Rinse out mouth and then drink one or two glasses of water (or milk).
In case of persistent symptoms obtain medical attention.

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5 Fire fighting measures

- **Suitable extinguishing media:**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Protection of personnel:** Not required.
- **Environmental precautions:** Dilute with plenty of water.
- **Method of disposal:**
Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).
Dispose of the collected material according to the regulations.
- **Additional information:** No dangerous materials are released.

7 Handling and storage

- **Handling (see also sections 8 and 15)**
- **Information for safe handling:** Use common rules for working with chemicals.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements for storage rooms and containers:** No special requirements.
- **Storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see section 7.

- **Components with limit values that require monitoring at the workplace:**

67-63-0 propan-2-ol (5-15%)

 WEL (Great Britain) Short-term value: 1250 mg/m³, 500 ppm

 Long-term value: 999 mg/m³, 400 ppm

- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be complied with.
- **Breathing equipment:** Personal protection is not normally required.
- **Protection of hands:**
Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.
- **Eye protection:**
Safety glasses are not normally required. However, their use is recommended in those cases where handling the undiluted product involves a risk of splashing.

9 Physical and chemical properties

- **General Information**

| | |
|----------------|----------------|
| Form: | Liquid |
| Colour: | Clear |
| | Blue |
| Odour: | Characteristic |

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- **Change in condition**
 - Melting point/Melting range:** Not determined
 - Boiling point/Boiling range:** Not determined
- **Flash point:** 37°C (Pensky M. cc)
 This product with a flashpoint between 21 °C and 61 °C does not support combustion.
- **Spontaneous combustion:** Product is not self igniting.
- **Danger of explosion:** Product is not explosive.
- **Density at 20°C:** 0.98 g/cm³
- **Solubility in / Miscibility with Water:** Fully miscible
- **pH-value:** 8.0 < pH ≤ 8.5

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
 No decomposition if used according to specifications.
- **Dangerous reactions:** No dangerous reactions known
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
- **LD50 (oral):**
 Based on the toxicological classification the LD50 (oral) is estimated to be > 2000 mg/kg.
- **Primary irritant effect:**
- **skin contact:** Unlikely to be irritant in normal use.
- **eye contact:** Unlikely to be irritant in normal use.
- **inhalation:** Not applicable.
- **ingestion:** Unlikely to be harmful unless excessive amount ingested.
- **Additional toxicological information:**
 The product is not subject to labelling requirements for toxicological properties or human health effects under the EC Dangerous Substances and Preparations Directives.
 When used and handled according to instructions, the product is unlikely to have any harmful effects.

12 Ecological information

- **General notes:**
 When used for its intended purpose this product should not cause adverse effects in the environment.

13 Disposal considerations

- **Product**
- **Recommendation:** Dispose of observing official regulations.

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· European waste catalogue:

| | |
|----------|--|
| 20 01 29 | detergents containing dangerous substances |
|----------|--|

- **Uncleaned packagings**
- **Recommendation:** Dispose of observing official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID Class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **Transport/Additional information:** Non-dangerous according to above regulations.

15 Regulatory information

- **Classification according to EC guidelines:**
Non-dangerous according to the guidelines of the relevant EC Directives.
- **Safety phrases:**
2 Keep out of the reach of children.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- **Further indications on the label:**
Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.
Safety data sheet available for professional user on request.

16 Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract.

- **Text of risk phrases associated with ingredients listed in section 3:**
11 Highly flammable.
36 Irritating to eyes.
67 Vapours may cause drowsiness and dizziness.
- **Department issuing material safety data sheet:** Hagerty Export
- **Contact:** Mr. H.ter Horst
- **International references:**
- **MSDS code:** MSDS6533
- **Version:** 2
- **MSDS review date:** 07.03.2008
- **Formulation code:** FADLX05W50NL
- **Clearance code:** MSD6533
- *** Revisions are indicated by an asterisk (*) in the margin.**