

# Material Safety Data Sheet

According to 91/155 EC

Printing date 29.01.2001

Reviewed on 22.01.1997

## 1 Product and company identification:

- **Brandname:** HAGERTY ULTRASONIC JEWEL CLEAN
- **Manufacturer/Supplier:**  
DiverseyLever  
Rembrandtlaan 414  
7545 ZW Enschede, the Netherlands  
Tel +31-534887766
- **Information department:** Hagerty Export
- **Emergency information:** Hagerty Export

## 2 Composition / Information on ingredients:

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

### · Hazardous ingredients:

	non-ionic surfactants	Xn, N; 22-41-50	< 5 %
1336-21-6	ammonia, aqueous solution	C, N; 34-50	< 5%
64-02-8	tetrasodium ethylenediaminetetraacetate	Xn; 22-36-52/53	< 5%

### · Ingredients according to EC 89/542

non-ionic surfactants, EDTA, anionic surfactants	< 5%
--	------

## 3 Hazards identification

- **Risk phrases:** void
- **Classification system**  
The classification complies with current EC regulations on dangerous substances and preparations.

## 4 First aid measures

- **General information** No special measures required.
- **Inhalation** Remove from source of exposure. Obtain medical attention if symptoms develop.
- **Skin contact** Not applicable.
- **Eye contact** Wash immediately with copious amounts of water.
- **Ingestion** In case of persistent symptoms obtain medical attention.

## 5 Fire fighting measures

- **Suitable extinguishing media**  
CO<sub>2</sub>, 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.

(Contd. on page 2)

# Material Safety Data Sheet

## According to 91/155 EC

Printing date 29.01.2001

Reviewed on 22.01.1997

**Brandname:** HAGERTY ULTRASONIC JEWEL CLEAN

(Contd. of page 1)

- **Method of disposal:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** No dangerous materials are released.

### 7 Handling and storage

- **Handling (see also sections 8 and 15)**
- **Information for safe handling:** No special measures required.
- **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.
- **Storage class**
- **Class according to regulation on inflammable liquids:** Not applicable

### 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:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **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:** Not required.
- **Eye protection:** Safety glasses recommended during refilling.

### 9 Physical and chemical properties:

- **Form:** Fluid
- **Colour:** Clear  
Pink
- **Odour:** Slightly perfumed
- **Change in condition**  
**Melting point/Melting range:** Not determined  
**Boiling point/Boiling range:** > 100°C
- **Flash point:** Not applicable
- **Spontaneous combustion:** Product is not self igniting.
- **Danger of explosion:** Product is not explosive.
- **Vapour pressure at 20°C:** 23 mbar
- **Density at 20°C** 1.00 g/cm<sup>3</sup>
- **Solubility in / Miscibility with Water:** Fully miscible
- **pH-value:** 10.5 < pH ≤ 11.0

### 10 Stability and reactivity

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

(Contd. on page 3)

# Material Safety Data Sheet

## According to 91/155 EC

Printing date 29.01.2001

Reviewed on 22.01.1997

**Brandname: HAGERTY ULTRASONIC JEWEL CLEAN**

(Contd. of page 2)

· *Hazardous decomposition products: No dangerous decomposition products known*

### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Unlikely to be irritant in normal use.
- **on the eye:** Unlikely to be irritant in normal use.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**  
The product is not subject to classification 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:**  
The surfactants used in this product are biodegradable in compliance with the requirements of EC Directives 73/404/EEC and 73/405/EEC and their subsequent amendments.

### 13 Disposal considerations

- **Product:**
- **Recommendation** Smaller quantities can be disposed with domestic waste.
- **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-GGVSE Class:** -

### 15 Regulatory information

- **Classification according to EC guidelines:**  
Non-dangerous according to the guidelines of the relevant EC Directives.

### 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.

- **Department issuing material safety data sheet:** Hagerty Export
- **Contact:** Mrs. M. Venema