

**Material Safety Data Sheet**

According to 91/155 EC, 93/112/EC, 2001/58/EC

This International MSDS is for information only. It does not meet all applicable regulatory requirements and does not replace the relevant statutory

data sheet for your country.

Printing Date 25.05.2004

Reviewed on 13.05.2004

**1 Product and company identification**

- Brandname: PERSIL PROFESSIONAL PERFORMANCE BIOLOGICAL
- Application of the product: Professional fabric washing product.
- Manufacturer/Supplier: JohnsonDiversey local operating company
- Information department: JohnsonDiversey local operating company
- Emergency information: JohnsonDiversey local operating company

**2 Composition / Information on ingredients**

## · Chemical characterization

## · Description:

Powder mixture of non-dangerous ingredients and substances listed below.

## Hazardous ingredients:

- |   |              |
|---|--------------|
| 497-19-8 sodium carbonate   | 15-30 %      |
| Xi; R 36  |              |
| EINECS: 207-838-8   |              |
| 15630-89-4 sodium percarbonate  | 5-15 %       |
| Xn, O; R 8-22-36/38   |              |
| EINECS: 239-707-6   |              |
| 90194-45-9 sodium alkylbenzenesulphonate                                  | 5-15 %       |
| Xn; R 22-38-41  |              |
| EINECS: 290-656-6   |              |
| alkyl alcohol ethoxylate  | < 5 %        |
| Xi; R 41  |              |
| EINECS: Polymer   |              |
| 13870-28-5 disodium disilicate  | < 5 %        |
| Xi; R 38-41   |              |
| EINECS: 237-623-4   |              |
| 68213-23-0 alkyl alcohol ethoxylate                                       | < 5 %        |
| Xn, N; R 22-41-50   |              |
| EINECS: Polymer   |              |
| 77-92-9 citric acid   | < 5 %        |
| Xi; R 36  |              |
| EINECS: 201-069-1   |              |
| · Ingredients according to 89/542/EEC                                     |              |
| zeolites  | 15 - 30%     |
| oxygen-based bleaching agents, anionic surfactants, non-ionic surfactants | 5 - 15%      |
| polycarboxylates, soap, phosphonates                                      | < 5% enzymes |
| · Additional information:   |              |
| The full text of the relevant risk phrases is given in section 16.        |              |

**3 Hazards identification**

## · Classification:

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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.

**4 First aid measures**

· **General information** No special measures required.

· **Inhalation** Not applicable.

· **Skin contact** Not applicable.

· **Eye contact** Wash immediately with copious amounts of water.

· **Ingestion**

Rinse out mouth and then drink one or two glasses of water (or milk).

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:** No special measures required.

· **Method of disposal:**

Collect mechanically.

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.

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### 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:**

Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.

· **Eye protection:** Not required.

### 9 Physical and chemical properties

· **General Information**

· **Form:** Solid

· **Colour:** White

· **Odour:** Slightly perfumed

· **Change in condition**

· **Melting point/Melting range:**

Value/Range    Unit    Method

Not determined

· **Boiling point/Boiling range:**

Not determined

· **Flash point:**

Not applicable

· **Spontaneous combustion:**

Product is not self igniting.

· **Danger of explosion:**

Product is not explosive.

· **Density**

Not determined

· **Solubility in / Miscibility with**

· **Water:**

Soluble

### 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.

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**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:** Can cause irritation.
- **inhalation:** Not applicable.
- **ingestion:** Not applicable.
- **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:**  
Must not be disposed of together with domestic waste. Do not allow undiluted product to reach sewage system.
- **European waste catalogue**  
20 01 30: detergents other than those mentioned in 20 01 29
- **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:** -

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- **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.
- **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 2**  
22 Harmful if swallowed.  
36 Irritating to eyes.  
36/38 Irritating to eyes and skin.  
38 Irritating to skin.  
41 Risk of serious damage to eyes.  
50 Very toxic to aquatic organisms.  
8 Contact with combustible material may cause fire.
- **Department issuing material safety data sheet:**  
JohnsonDiversey Europe BV, Professional & Regulatory Affairs, Research & Development - EMA region, Utrecht, The Netherlands
- **Contact:**  
For information to JohnsonDiversey operating companies: JohnsonDiversey Europe BV, Professional & Regulatory Affairs, Research & Development - EMA region, Utrecht, The Netherlands
- **International references:**
- **MSDS code:** MSDS3979
- **Version:** 2
- **MSDS review date:** 13.05.2004
- **Formulation code:** ESAP: 224485
- **Clearance code:** LF-system clearance
- **\* Revisions are indicated by an asterisk (\*) in the margin. y**