

**Safety data sheet**  
**according to EC 1907/2006**

Printing date 15.11.2011


Version number 6

Revision 15.11.2011

### 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Brandname:** VIVET
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the product:** Professional fabric washing product.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Diversey BV  
Maarssenbroeksedijk 2  
3542 DN Utrecht, Netherlands  
Tel. +31 (0)30-2476911  
Email: MSDS.JD-NL@johnsondiversey.com
- **Information department:** Local Technical Centre
- **Emergency telephone number:** See section 16 of this sheet.

### 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
 Xi; Irritant  
R41: Risk of serious damage to eyes.
- **Classification system:**  
The classification complies with current EC regulations on dangerous substances and preparations.
- **Label elements**
- **Labelling according to EU guidelines:**  
The product has been classified and labelled in accordance with current EC Directives.
- **Code letter and hazard designation of product:**



Xi Irritant

- **Risk phrases:**  
41 Risk of serious damage to eyes.
- **Safety phrases:**  
22 Do not breathe dust.  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
39 Wear eye/face protection.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Powder mixture of non-dangerous ingredients and substances listed below.

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<b>· Hazardous ingredients:</b>			
CAS: 13870-28-5 EINECS: 237-623-4	disodium disilicate	Xi R37/38-41	5-15%
CAS: 497-19-8 EINECS: 207-838-8	sodium carbonate	Xi R36	5-15%
CAS: 15630-89-4 EINECS: 239-707-6	sodium percarbonate	Xn R22; Xi R41; O R8	< 5%
CAS: 90194-45-9 EINECS: 290-656-6	sodium alkylbenzenesulphonate	Xn R22; Xi R38-41	< 5%
CAS: 68131-39-5 NLP: 500-195-7	alkyl alcohol ethoxylate	Xn R22; Xi R41; N R50	< 5%

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

#### 4 First aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **Inhalation:** Remove from source of exposure. Obtain medical attention if symptoms develop.
- **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).  
Obtain medical attention.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

#### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing media:**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

#### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**  
Ensure adequate ventilation.  
Collect mechanically.
- **Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

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### 7 Handling and storage

- **Precautions for safe handling** Prevent formation of dust.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements for storage rooms and containers:** According to local legislation.
- **Storage in one common storage facility:** According to local legislation.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Control parameters**
- **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.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and food.  
Take off immediately all contaminated clothing.  
Wash hands during breaks and at the end of the work.  
Avoid contact with the eyes.
- **Breathing equipment:**  
Personal protection is not normally required. However, inhalation of dust, vapour or aerosol should be avoided.
- **Protection of hands:** In normal use hand protection is not required.
- **Eye protection:** Tightly fitting safety glasses.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

<b>Form:</b>	Solid
<b>Colour:</b>	White
<b>Odour:</b>	Slightly perfumed
<b>Odour threshold:</b>	Not determined.
- **pH-value:** 10.5 < pH (1%) ≤ 11.0
- **Change in condition**

<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	Not determined
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not determined.
- **Ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Explosive properties:** Product is not explosive.

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- **Critical values for explosion:**
  - Lower:** Not determined.
  - Upper:** Not determined.
- **Oxidising properties:** Not oxidising.
- **Vapour pressure:** Not applicable.
- **Density at 20°C:** 0.64 g/cm<sup>3</sup>
- **Vapour density:** Not applicable.
- **Evaporation rate:** Not applicable.
- **Solubility in / Miscibility with Water:** Soluble
- **Segregation coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - dynamic:** Not applicable.
  - kinematic:** Not applicable.
- **Other information** No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Reacts with acids.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **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:** Causes severe irritation.
- **inhalation:** Causes irritation.
- **ingestion:** Causes irritation.
- **Additional toxicological information:**
- **EC classification:** Irritant
- **Sensitisation** No known effects.
- **Repeated dose toxicity** No known effects.
- **STOT-single exposure:** No known effects.
- **STOT-repeated exposure:** No known effects.

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### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Classification:** This classification refers to the undiluted product.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Dispose of observing official regulations.

- **European waste catalogue:**

20 01 29*	detergents containing dangerous substances
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- **Uncleaned packagings**
- **Recommendation:** Dispose of observing official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

### 14 Transport information

- **UN-Number**
- **ADR, ADN, IMDG, IATA** void
- **UN proper shipping name**
- **ADR, ADN, IMDG, IATA** void
- **Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** void
- **Packing group**
- **ADR, IMDG, IATA** void
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **Transport/Additional information:** Non-dangerous according to above regulations.

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

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

phosphates	5 - 15%
anionic surfactants, soap, non-ionic surfactants, oxygen-based bleaching agents	< 5%
enzymes, optical brighteners, perfumes	

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· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 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.

· **Relevant phrases**

- R22 Harmful if swallowed.
- R36 Irritating to eyes.
- R37/38 Irritating to respiratory system and skin.
- R38 Irritating to skin.
- R41 Risk of serious damage to eyes.
- R50 Very toxic to aquatic organisms.
- R8 Contact with combustible material may cause fire.

· **Department issuing material safety data sheet:** Local Technical Centre

· **Contact:** Local Technical Centre

· **International references:**

· **MSDS code:** MSD3100/NL

· **Version:** 6

· **MSDS review date:** 15.11.2011

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