

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

Printing date 15.11.2011






Version number 7

Revision 15.11.2011

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

- **Product identifier**
- **Brandname:** SUMA TAB D4
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the product:** Disinfectant for professional use.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Diversey BV  
Maarssebroeksedijk 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**
  -  **Xn; Harmful**  
R22: Harmful if swallowed.
  -  **Xi; Irritant**  
R36/37: Irritating to eyes and respiratory system.
  -  **N; Dangerous for the environment**  
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R31: Contact with acids liberates toxic gas.
- **Classification system:** Classification according to the Dutch law for disinfectants.
- **Label elements**
- **Labelling according to EU guidelines:** The product is classified according to the Dutch law for disinfectants.
- **Code letter and hazard designation of product:**
  -   **Xn Harmful**  
**N Dangerous for the environment**
- **Hazard-determining components of labelling:**  
troclosene sodium, dihydrate
- **Risk phrases:**
  - 22 Harmful if swallowed.
  - 31 Contact with acids liberates toxic gas.
  - 36/37 Irritating to eyes and respiratory system.
  - 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Safety phrases:**
  - 8 Keep container dry.
  - 21 When using do not smoke.
  - 22 Do not breathe dust.

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- 23 Do not breathe spray.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 60 This material and its container must be disposed of as hazardous waste.
- 61 Avoid release to the environment. Refer to safety data sheet.

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Tablet-shaped product consisting of non-dangerous ingredients and the substances listed below.

- **Hazardous ingredients:**

CAS: 51580-86-0	troclosene sodium, dihydrate	Xn R22; Xi R36/37; N R50/53	≥ 30%
EINECS: 220-767-7		R31	

- **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:**  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the incident is 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. Obtain medical attention if symptoms develop.
- **Ingestion:**  
Remove material from mouth. Drink one or two glasses of water or milk and obtain medical attention without delay.
- **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:** Flood with water.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Put on breathing apparatus.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Put on breathing device.
- **Environmental precautions:**  
Inform responsible authorities in case product reaches water or sewage system.  
Do not allow to enter the ground/soil.
- **Methods and material for containment and cleaning up:**  
Ensure adequate ventilation.

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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.

## 7 Handling and storage

· **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Prevent formation of aerosols.

· **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:**

Do not store together with acids.

According to local legislation.

· **Further information about storage conditions:**

Keep at temperature not exceeding 40 °C.

Protect from heat and direct sunlight.

Keep container tightly sealed.

Store under dry conditions.

· **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.

Do not inhale gases / fumes / aerosols.

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:** Not required.

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## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:** Tablets

**Colour:** White

· **Odour:** Chlorine-like

· **Odour threshold:** Not determined.

· **pH-value:**  $6.0 < \text{pH} (1\%) \leq 6.5$

· **Change in condition**

**Melting point/Melting range:** Not determined

**Boiling point/Boiling range:** 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.

· **Critical values for explosion:**

**Lower:** Not determined.

**Upper:** Not determined.

· **Oxidising properties:** After prolonged exposure above 40°C the product could decompose and release excessive heat.

· **Vapour pressure:** Not applicable.

· **Density:** Not determined

· **Settled apparent density at 20°C:** 1000 kg/m<sup>3</sup>

· **Vapour density:** Not applicable.

· **Evaporation rate:** Not applicable.

· **Solubility in / Miscibility with**

**Water at 25°C:** 250 g/l  
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:**

Keep at temperature not exceeding 40 °C.

After prolonged exposure above 40°C the product could decompose and release excessive heat.

· **Possibility of hazardous reactions** Reacts with acids releasing chlorine

· **Conditions to avoid** No further relevant information available.

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- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Chlorine

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD50 (oral):** Based on the toxicological classification the LD50 (oral) is estimated to be 200-2000 mg/kg.
- **Primary irritant effect:**
- **skin contact:** Unlikely to be irritant in normal use.
- **eye contact:** Causes irritation.
- **inhalation:** Causes irritation and may cause bronchospasm in chlorine sensitive individuals.
- **ingestion:**  
Causes irritation.  
Harmful.
- **Additional toxicological information:**  
According to the classification of the Dutch law for disinfectants the product is classified as:  
Harmful  
Irritant
- **Sensitisation** No known effects.
- **Repeated dose toxicity** No known effects.
- **STOT-single exposure:** May cause respiratory irritation.
- **STOT-repeated exposure:** No known effects.

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:**  
Based on the environmental classification the toxicity for aquatic organisms (as defined in 67/548/EEC, Annex V) is estimated to be  $\leq 1$  mg/l.
- **Persistence and degradability** No further relevant information available.
- **Classification:**  
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
The classification of the product is due to the component(s) listed in section 3 with an environmental classification (R50 - R53).  
This classification refers to the undiluted product.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **General notes:**  
Must not reach sewage water or drainage ditch undiluted or unneutralized.  
The information in this section refers to the undiluted product.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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### 13 Disposal considerations

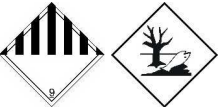
- **Waste treatment methods**
- **Recommendation:** Dispose of observing official regulations.

- **European waste catalogue:**

16 03 05*	organic wastes 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** UN3077
  - **ADR, IMDG, IATA** UN3077
  - **UN proper shipping name** 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (SODIUM DICHLOROISOCYANURATE DIHYDRATE)
  - **ADR** 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (SODIUM DICHLOROISOCYANURATE DIHYDRATE)
  - **IMDG, IATA** 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (SODIUM DICHLOROISOCYANURATE DIHYDRATE)
  - **Transport hazard class(es)**
  - **ADR, IMDG, IATA**
- 
- **Class** 9 Miscellaneous dangerous substances and articles.
  - **Label** 9
  - **Packing group** III
  - **ADR, IMDG, IATA** III
  - **Environmental hazards:**
  - **Marine pollutant:** Symbol (fish and tree)
  - **Special marking (ADR):** Symbol (fish and tree)
  - **Special marking (IATA):** Symbol (fish and tree)
  - **Kemler Number:** 90
  - **EmS number:** F-A,S-F
  - **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
  - **Transport/Additional information:** Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.
- 
- **ADR**
  - **Tunnel restriction code** E
- 
- **IMDG**
  - **Comments:** Diversey does not recommend to transport this product by means of sea container.
- 
- **IATA**
  - **Comments:** Diversey does not recommend to transport this product by air.

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**15 Regulatory information**

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

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

chlorine-based bleaching agents

≥ 30%

· **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.

R31 Contact with acids liberates toxic gas.

R36/37 Irritating to eyes and respiratory system.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

· **Contact:** Local Technical Centre

· **International references:**

· **MSDS code:** MSDS6509/NL

· **Version:** 7

· **MSDS review date:** 15.11.2011

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