SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Performance Schaum EVENTUM

Article number: 5251

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture Cleaning material/ Detergent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:
Chemische Fabrik Dr. Stöcker GmbH & Co. KG
Gewerbestrasse 19-25
D-55546 Pfaffen-Schwabenheim
+49 (0) 6701 911780

Further information obtainable from:
Safety Department
sicherheit@dr-stoecker.de

1.4 Emergency telephone number:
INTERNATIONAL: +49 (0) 6132 / 84463 (GBK Gefahrgut Büro GmbH, Ingelheim)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS07

Signal word Warning

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements

P280 Wear protective gloves / eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

(Contd. on page 2)
SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures
  - Description: Mixture of substances listed below with nonhazardous additions.
  - Dangerous components:
    - CAS: 68439-57-6, EC number: 931-534-0, Reg.nr.: 01-2119513401-57
      - Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts
      - Eye Dam. 1, H318; Skin Irrit. 2, H315
      - 10-25%
    - CAS: 112-34-5, EINECS: 203-961-6, Index number: 603-096-00-8
      - 2-(2-butoxyethoxy)ethanol
      - Eye Irrit. 2, H319
      - ≤ 2.5%
    - CAS: 85736-63-6, EC number: 931-275-3, Reg.nr.: 01-2119484688-17
      - Quaternary ammonium compounds, C12-14-(even numbered) alkyl(hydroxyethyl)dimethyl, chlorides
      - STOT RE 2, H373; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302
      - ≤ 2.5%

- Regulation (EC) No 648/2004 on detergents / Labelling for contents
  - Anionic surfactants 15 - 30%
  - Cationic surfactants < 5%

- Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures
  - General information: Immediately remove any clothing soiled by the product.
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
  - After skin contact:
    - Immediately rinse with water.
    - If skin irritation continues, consult a doctor.
  - After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
  - After swallowing:
    - Rinse out mouth and then drink plenty of water.
    - Seek immediate medical advice.

- 4.2 Most important symptoms and effects, both acute and delayed: No further relevant information available.

- 4.3 Indication of any immediate medical attention and special treatment needed: No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
  - Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

- 5.2 Special hazards arising from the substance or mixture: No further relevant information available.

- 5.3 Advice for firefighters
  - Protective equipment: Mouth respiratory protective device.

- 5.4 Additional information
  - Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures: Not required.
SECTION 7: Handling and storage

7.1 Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
Information about storage in one common storage facility: Not required.
Further information about storage conditions:
Keep container tightly sealed.
Protect from heat and direct sunlight.
Protect from frost.
Storage class: 10

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

112-34-5 2-(2-butoxyethoxy)ethanol

<table>
<thead>
<tr>
<th>Route</th>
<th>Short-term value</th>
<th>Long-term value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>101,2 mg/m³, 15 ppm</td>
<td>67,5 mg/m³, 10 ppm</td>
</tr>
</tbody>
</table>

DNELs

68439-57-6 Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts

<table>
<thead>
<tr>
<th>Route</th>
<th>Long-term systemic effects, general population</th>
<th>Long-term systemic effects, worker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>12,95 mg/kg bw/day (general population)</td>
<td>2158,33 mg/kg bw/day (worker)</td>
</tr>
<tr>
<td>Dermal</td>
<td>129 mg/kg bw/day (general population)</td>
<td>2158,33 mg/kg bw/day (worker)</td>
</tr>
<tr>
<td>Inhalative</td>
<td>45,04 mg/m³ (general population)</td>
<td>152,22 mg/m³ (worker)</td>
</tr>
</tbody>
</table>

112-34-5 2-(2-butoxyethoxy)ethanol

<table>
<thead>
<tr>
<th>Route</th>
<th>Long-term systemic effects, general population</th>
<th>Long-term systemic effects, worker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>1,25 mg/kg bw/day (general population)</td>
<td>10 mg/kg bw/day (general population)</td>
</tr>
</tbody>
</table>
### Trade name: Performance Schaum EVENTUM

<table>
<thead>
<tr>
<th>Inhalative</th>
<th>Long-term - systemic effects, worker</th>
<th>20 mg/kg bw/day (worker)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long term - local effects, general population</td>
<td>34 mg/m³ (general population)</td>
<td></td>
</tr>
<tr>
<td>Long-term - systemic effects, worker</td>
<td>67.5 mg/m³ (worker)</td>
<td></td>
</tr>
</tbody>
</table>

#### PNECs

**68439-57-6 Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts**

| Aquatic compartment - freshwater | 0.042 mg/l (freshwater) |
| Aquatic compartment - marine water | 0.0042 mg/l (marine water) |
| Aquatic compartment - sediment in freshwater | 2.025 mg/kg sed dw (sediment freshwater) |
| Aquatic compartment - sediment in marine water | 0.2025 mg/kg sed dw (sediment marine water) |
| Aquatic compartment - water, intermittent releases | 0.042 mg/l (intermittent release water) |
| Terrestrial compartment - soil | 0.0061 mg/kg dw (soil) |
| sewage treatment plant | 4 mg/l (sewage treatment plant) |

**112-34-5 2-(2-butoxyethoxy)ethanol**

| Aquatic compartment - freshwater | 1 mg/l (freshwater) |
| Aquatic compartment - sediment in freshwater | 4 mg/kg sed dw (sediment freshwater) |
| Terrestrial compartment - soil | 0.4 mg/kg dw (soil) |
| sewage treatment plant | 200 mg/l (sewage treatment plant) |

#### Additional information:
The lists valid during the making were used as basis.

- **8.2 Exposure controls**
- **Personal protective equipment:**
  - **General protective and hygienic measures:**
    - Immediately remove all soiled and contaminated clothing
    - Wash hands before breaks and at the end of work.
    - Avoid contact with the eyes.
  - **Respiratory protection:**
    - Not necessary if room is well-ventilated.
    - Use suitable respiratory protective device in case of insufficient ventilation.
    - Combination filter A-P1
  - **Protection of hands:** Protective gloves
  - **Material of gloves**
    - Butyl rubber, BR
    - Nitrile rubber, NBR
    - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
  - **Penetration time of glove material**
    - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
  - **Eye protection:** Tightly sealed goggles
  - **Body protection:** Protective work clothing

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### SECTION 9: Physical and chemical properties

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

(Contd. on page 5)
Trade name: Performance Schaum EVENTUM

Colour: Green
Odour: Characteristic
Odour threshold: Not determined.

pH-value at 20 °C: 5.5 (DIN 19268)

Change in condition
Melting point/Melting range: Undetermined.
Boiling point/Boiling range: ca. 100 °C

Flash point: Not determined.
Flammability (solid, gaseous): Not applicable.
Ignition temperature:
Decomposition temperature: Not determined.
Self-igniting: Product is not selfigniting.
Danger of explosion: Product does not present an explosion hazard.

Explosion limits:
Lower: Not determined.
Upper: Not determined.
Oxidising properties: Not determined.

Vapour pressure at 20 °C: 23 hPa
Density at 20 °C: 1,025 g/cm³ (DIN 51757)
Relative density: Not determined.
Vapour density: Not determined.
Evaporation rate: Not determined.

Solubility in / Miscibility with water: Fully miscible.
Partition coefficient (n-octanol/water): Not determined.

Viscosity:
Dynamic: Not determined.
Kinematic: Not determined.

9.2 Other information: No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity
10.2 Chemical stability
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
10.3 Possibility of hazardous reactions: No dangerous reactions known.
10.4 Conditions to avoid: No further relevant information available.
10.5 Incompatible materials: No further relevant information available.
10.6 Hazardous decomposition products: No dangerous decomposition products known.
SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
  
  - Acute toxicity
  
    - LD/LC50 values relevant for classification:

    | Substance Description | LD50/DL50 | LC50/LC50 |
    |------------------------|-----------|-----------|
    | 68439-57-6 Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Oral LD50 > 2000 mg/kg (rat) | Dermal LD50 6300 mg/kg (rabbit) |
    | | Inhalative LC50/4 h > 52 mg/l (rat) |
    | 112-34-5 2-(2-butoxyethoxy)ethanol | Oral LD50 > 2000 mg/kg (rat) | Dermal LD50 > 2000 mg/kg (rabbit) |

  - Primary irritant effect:
    - Skin corrosion/irritation Causes skin irritation.
    - Serious eye damage/irritation Causes serious eye irritation.
    - Respiratory or skin sensitisation No sensitising effects known.
    - Repeated dose toxicity No further relevant information available.
    - CMR effects (carcinogenity, mutagenicity and toxicity for reproduction) No further relevant information available.

SECTION 12: Ecological information

- 12.1 Toxicity

  - Aquatic toxicity:

    | Substance Description | EC50/72 h | LC50/96 h |
    |------------------------|-----------|-----------|
    | 68439-57-6 Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | 5.2 mg/l (Skeletonema costatum) | 4.53 mg/l (Daphnia magna) |
    | | 4.2 mg/l (Danio rerio) |
    | 112-34-5 2-(2-butoxyethoxy)ethanol | EC10/16 h 1170 mg/l (Pseudomonas putida) | EC50/24 h 2850 mg/l (Daphnia magna) |
    | | LC50/96 h 1300 mg/l (Lepomis macrochirus) |
    | NOEC > 100 mg/l (Desmodesmus subspicatus) |

  - 12.2 Persistence and degradability No further relevant information available.

  - 12.3 Bioaccumulative potential No further relevant information available.

  - 12.4 Mobility in soil No further relevant information available.

  - Ecotoxicological effects:
    - Remark: Harmful to fish

  - Additional ecological information:
    - General notes:
      Harmful to aquatic organisms

      The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

      Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

      Do not allow product to reach ground water, water course or sewage system.

      Danger to drinking water if even small quantities leak into the ground.
41.0 Safety data sheet according to 1907/2006/EC, Article 31

Trade name: Performance Schaum EVENTUM

(Contd. of page 6)

12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
- Recommendation
Dispose of contents/container in accordance with local/regional/national/international regulations. Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue
- 20 01 29* detergents containing dangerous substances
- 15 01 10* packaging containing residues of or contaminated by dangerous substances

- Uncleaned packaging:
  - Recommendation: Disposal must be made according to official regulations.
  - Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN-Number
- ADR, ADN, IMDG, IATA Void

14.2 UN proper shipping name
- ADR, ADN, IMDG, IATA Void

14.3 Transport hazard class(es)
- ADR, ADN, IMDG, IATA Void
- Class Void

14.4 Packing group
- ADR, IMDG, IATA Void

14.5 Environmental hazards:
- Marine pollutant: No

14.6 Special precautions for user
- Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
- Not applicable.
- UN "Model Regulation": -

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information
This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

(Contd. on page 8)
Trade name: Performance Schaum EVENTUM

- **Relevant phrases**
  - H302 Harmful if swallowed.
  - H314 Causes severe skin burns and eye damage.
  - H315 Causes skin irritation.
  - H318 Causes serious eye damage.
  - H319 Causes serious eye irritation.
  - H373 May cause damage to organs through prolonged or repeated exposure.
  - H400 Very toxic to aquatic life.
  - H411 Toxic to aquatic life with long lasting effects.

- **Department issuing MSDS:** Department R&D
- **Contact:** Department R&D
- **Abbreviations and acronyms:**
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - DNEL: Derived No-Effect Level (REACH)
  - PNEC: Predicted No-Effect Concentration (REACH)
  - LD50: Lethal dose, 50 percent
  - Acute Tox. 4: Acute toxicity, Hazard Category 4
  - Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
  - Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
  - Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
  - Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
  - STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
  - Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1
  - Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2