Material safety data sheet
AHAM Standard Test Detergent (Formula 3) acc. to AHAM HLW-1
Order Code: 88039, WFK AHAM F3

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Company/undertaking identification:

\textit{wjk}-Testgewebe GmbH

Telephone: +49-2157-871977
Fax: +49-2157-90657

2. COMPOSITION/INFORMATION IN INGREDIENTS

Product name: AHAM Standard Test Detergent (Formula 3) acc. to AHAM HLW-1

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linear sodium alkyl benzene sulfonate (mean C chain length C11,5)</td>
<td>11.3 %</td>
</tr>
<tr>
<td>Ethoxylated fatty alcohol C12-18 (7 EO)</td>
<td>6.0 %</td>
</tr>
<tr>
<td>Sodium soap</td>
<td>4.1 %</td>
</tr>
<tr>
<td>Foam Inhibitor (Silicone based)</td>
<td>5.0 %</td>
</tr>
<tr>
<td>Sodium aluminium silicate (Zeolith 4A)</td>
<td>36.3 %</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>14.9 %</td>
</tr>
<tr>
<td>Sodium salt of a copolymer from acrylic and maleic acid</td>
<td>3.1 %</td>
</tr>
<tr>
<td>Sodium silicate</td>
<td>3.8 %</td>
</tr>
<tr>
<td>Carboxymethylcellulose (CMC)</td>
<td>1.5 %</td>
</tr>
<tr>
<td>Dequest 2066</td>
<td>3.6 %</td>
</tr>
<tr>
<td>Optical brightener</td>
<td>0.3 %</td>
</tr>
<tr>
<td>Protease</td>
<td>0.5 %</td>
</tr>
<tr>
<td>Sodium Perborate Monohydrate</td>
<td>1.0 %</td>
</tr>
<tr>
<td>Sodium sulphate</td>
<td>balance (~8.6 %)</td>
</tr>
<tr>
<td>Total</td>
<td>100.0 %</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION OF THE PRODUCT

Not relevant if used as directed

4. FIRST AID MEASURES

- Product inhaled: Not relevant
- Product on the skin: Wash the affected area with water and soap. Take off contaminated clothing.
- Product in the eye: Immediately flush the eye with plenty of water and continue for 10 minutes. Seek medical attention.
- Product ingested: Wash out the mouth with water. Drink a plenty of water. Seek medical attention.

5. FIRE-FIGHTING MEASURES

- Applicable for fire fighting: all fire fighting media applicable
- Not applicable for fire fighting: none known
- Special exposure hazards arising from the product itself, from combustion products or from resulting gases: none known
- Personal precaution: no special requirements
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6. ACCIDENTAL RELEASE MEASURES

| Personal precautions | avoid dust |
| Environmental precaution | don’t allow bigger amounts to be released into sewer system. |
| Methods of cleaning up/of removing | remove dry, avoid dust. rinse away rest with water. |

7. HANDLING AND STORAGE

Handling: no special handling
Storage: keep in accordance with Water-Pollution class (WPC) on a dry and clean place.
Do not store together with food

8. EXPOSURE CONTROLS/PERSOAL PROTECTION

Information on the system design: no special measures required.
Components with specific control parameters: none
Personal protection: avoid eye-contact; avoid skin-contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

| Physical state | powder |
| Colour | white |
| Odour | neutral |
| Flash point | not applicable |
| Bulk density | ca. 580 kg/m³ |

10. STABILITY AND REACTIVITY

Conditions to avoid: none known
Materials to avoid: none known if used as directed
Hazardous decomposition products: none known

11. TOXICOLOGICAL INFORMATION

No data from animal studies available.

12. ECOLOGICAL INFORMATION

The following ecological data are estimated on the basis of the raw materials contained in the product and/or of structurally comparable substances.

Persistence and degradability:
The surfactants contained in the product obliged by biodegradability requirements of the surfactant regulation of June 4, 1986 (Germany) are in the mean degradable for at least 90%.
In tests for ready degradability (e.g. OECD 301 A-F) the total organic products contained in the product achieved only values below 80% BOD/COD and 70% DOC reduction (tolerance value for classification as “ready degradable”: >= 70% DOC reduction and >= 60% BOD/COD in 28 days).

Aquatic Toxicity:
Acute fish toxicity: LC 50 > 10 to 100 mg product/l.
Acute bacteria toxicity: EC 50 > 10 – 100 mg product/l.
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13. DISPOSAL CONSIDERATIONS
Can be added to household waste in small quantities.

14. TRANSPORT INFORMATION
Not hazardous material according to RID/ADR, GGVS/GGVE, ADNR, IMDG, ICAO-TI/IATA

15. REGULATORY INFORMATION
Labelling according to EG- recommendations 67/548/EWG and changes
Not relevant
National prescriptions: Water hazard class (WGK): 1 (self classification on the basis of component assessments or analogy conclusions without addition/subtraction of points for good/poor biodegradability etc.)

16. OTHER INFORMATION
This information is not related to the use of the product