

## 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:

wfk-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

Composition: AHAM F3

Linear sodium alkyl benzene sulfonate (mean C chain length C11,5)	11,3 %
Ethoxylated fatty alcohol C12-18 (7 EO)	6,0 %
Sodium soap	4,1 %
Foam Inhibitor (Silicone based)	5,0 %
Sodium aluminium silicate (Zeolith 4A)	36,3 %
Sodium carbonate	14,9 %
Sodium salt of a copolymer from acrylic and maleic acid	3,1 %
Sodium silicate	3,8 %
Carboxymethylcellulose (CMC)	1,5 %
Dequest 2066	3,6 %
Optical brightener	0,3 %
Protease	0,5 %
Sodium Perborate Monohydrate	1,0 %
Sodium sulphate	balance (~8,6 %)
Total	100,0 %

#### 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. ACCIDENTIAL RELEASE MEASURES

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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

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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/PERSONAL PROTECTION

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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

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Physical state	powder
Colour	white
Odour	neutral
Flash point	not applicable
Bulk density	ca. 580 kg/m <sup>3</sup>

#### 10. STABILITY AND REACTIVITY

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

#### 11. TOXICOLOGICAL INFORMATION

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No data from animal studies available.

#### 12. ECOLOGICAL INFORMATION

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

<b>Persistence and degradability:</b>	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 60 % BOD/COD and 70 % DOC reduction (tolerance value for classification as "ready degradable": $\geq 70$ % DOC reduction and $\geq 60$ % BOD/COD in 28 days).
<b>aquatic Toxicity:</b>	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

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Can be added to household waste in small quantities.

### 14. TRANSPORT INFORMATION

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

### 15. REGULATORY INFORMATION

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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

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This information is not related to the use of the product