

Material safety data sheet

1. PRODUCT NAME/COMPANY NAME

Product name: washing machine reference detergent according IEC 456 type B

IEC 456 Reference detergent type B (with phosphate)

Order Code:88020, WFK IEC B

Producer name: **wfk-Testgewebe GmbH**
41 379 Brüggen-Bracht
Telefon: +49-2157-871977

2. PRODUCT IDENTIFICATION

Linear Alkylbenzene sulfonate (C _{avg} = 11,5)	8,00	%
C ₁₂₋₁₈ -Alcohol * EO14	2,88	%
Soap (13-26 % C12-16, 74-87 % C18-22)	3,50	%
sodiumtripolyphosphate	43,75	%
sodium silicate (SiO ₂ : Na ₂ = 3,3 : 1)	7,50	%
magnesium silicate	1,88	%
Carboxymethylcellulose	1,25	%
EDTA	0,25	%
optical brightener	0,25	%
sodium sulphate	21,00	%
Water	9,75	%

3. HAZARD IDENTIFICATION

Not relevant

4. FIRST AID AND 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	wear fire fighting suit

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.

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7. HANDLING AND STORAGE

Handling	no special handling
storage	keep in accordance with WGK (capture 15) on a dry and clean place. Do not store together with food storage class: VCI-Class 11

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Information on the system design:	Not relevant
Components with specific control parameters:	None
Personal protection:	pay attention to common safety and hygiene precautions necessary for handling chemicals. avoid eye and skin contact. Wear gloves /glasses /work clothes. clean hands and/or face when leaving workshop place.
respiratory protection	wear dust mask If product dust is present.
hand protection	wear gloves of: PVC, rubber.
eye protection	wear glasses If product dust is present.
body protection	wear work clothes. after contact of clothes with product take off polluted clothes and wash them out.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	powder
Colour	white
Odour	like soap
pH-value	11,5
Medium	10 g/l water (20 °C)
Bulk density	521 kg/m ³ DIN ISO 697

10. STABILITY AND REACTIVITY

Conditions to avoid:	None known
Materials to avoid:	none known if used correctly
Hazardous decomposition products	None known

11. TOXIKOLOGICAL INFORMATION

No animal experimental data available. No negative effects known if used appropriate

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12. ECOLOGICAL INFORMATION

	the following ecological data is estimated based on product ingredients and/or structural similar substances:
persistence and degradability	the mean of the surfactants included into the product are biodegradable about 90 % The sum of the organic components of the product reach a degradability of about 60 % BSB/CSB respectively about 70 % DOC-reduction (limits for classification as "easily degradable/readily degradable": ≥ 70 % DOC-reduction respectively ≥ 60 % BSB/CSB within 28 days)
acute fish toxicity:	LC50 = > 10 - 100 mg prod./l (DIN 3841T15 or ISO 7346)
acute bacteria toxicity:	ECO > 100 mg Prod./l (O ₂ -consumption test Ps. putida according to OECD)

13 DISPOSAL CONSIDERATIONS

	The material should be disposed of by authorised landfill. Strict adherence must be made to all European, national and local laws and regulations.
waste key No (Germany)	59401

14 TRANSPORT INFORMATION

Not classified as hazardous under the U.N. Transport Recommendations.

15. RECOMMENDATIONS

Labelling according to EG- recommendations 67/548/EWG and changes

	Not relevant
National recommendation	Water-Pollution class (WPC): 2

16 OTHER INFORMATIONS

None