

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

ECE 98 Standard test detergent ISO 105-C08 and -C09

Company/undertaking identification: **DEK GmbH**
Zur Niedermühle 4
D-85435 Erding

2. COMPOSITION/INFORMATION IN INGREDIENTS

Linear sodium alkyl benzene sulfonate (mean C chain length C11,5)	9,7 %
Ethoxylated fatty alcohol C12-18 (7 EO)	5,2 %
Sodium soap	3,6 %
Foam Inhibitor (Silicone based)	4,5 %
Sodium aluminium silicate (Zeolith 4A)	32,5 %
Sodium carbonate	11,8 %
Sodium salt of a copolymer from acrylic and maleic acid	5,2 %
Sodium silicate	3,4 %
Carboxymethylcellulose (CMC)	1,3 %
Diethylene triamine penta (methylene phosphonic acid)	0,8 %
Sodium sulphate	9,8 %
Water	12,2 %
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

6. ACCIDENTIAL 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/PERSONAL 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/m ³

10. STABILITY AND REAKTIVITY

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

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

13. DISPOSAL CONSIDERATIONS

Can be added to household waste in small quantities.

14. TRANSPORT INFORMATION

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

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