

Material safety data sheet

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Reference Dishwashing detergent Formula B

Order Code: 88102, WFK GSM B

Company/undertaking identification:

wfk-Testgewebe GmbH

Telephone: +49-2157-871977

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2. COMPOSITION/INFORMATION IN INGREDIENTS

reference dishwashing detergent for tests

Declaration according 91/155/ECC:

25 % Disilicates

Symbol: Xi

R-Phrases: 37/38/41

30 % Citrate

27 % Sodium carbonate

Symbol : Xi

R-Phrases: 36

5 % Bleaching agent on oxygen basis

Symbol: Xn, O

R-Phrases: 8, 22, 36/38

2 % Non-ionic surfactants

Symbol: Xi

R-Phrases: 38

6 % Polycarboxylate

2 % TAED

3 % Sulphate, enzymes and water

3. HAZARDS IDENTIFICATION OF THE PRODUCT

Xi: irritant

R 41 Risk of serious damage to eyes.

4. FIRST AID MEASURES

after inhalation: Supply fresh air, oxygen, call for doctor.

after skin contact: Rinse with running water and Soap. Skin care. Remove contaminated clothes.

after eye contact: Immediately flush eyes with water (for 10 minutes), put on a bandage with sterile gauze, see an oculist.

after ingestion: Flush oral cavity, drink plenty of water, see a physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Non-combustible – danger of decomposition if exposed to heat.

Extinguishing media which must not be used for safety reasons:
none known

Special exposure hazards arising from the product itself, from combustion products or from resulting gases:
intensifies fire by releasing oxygen

Special protective equipment for fire-fighters: no special measures necessary;

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin and eyes.
Environmental precautions: Do not allow large amounts to be released into sewer system.
Methods of cleaning up/of removing: Remove dry, forms a slippery coating with water;

7. HANDLING AND STORAGE

Handling: no special measures required
Storage: store in a cool, dry place;

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
pH (at 10 g/l H₂O) (20 °C) ca. 11
Flash point not applicable
Solubility (20 °C) soluble in water
Bulk density ca. 850 kg/m³

10. STABILITY AND REACTIVITY

Conditions to avoid: Avoid heating.
Materials to avoid: Reacts with acids: heat generated and carbon dioxide released.
Hazardous decomposition products: none if used for intended purpose.

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 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.

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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, ADN, IMDG, ICAO-TI/IATA-GDR.

15. REGULATORY INFORMATION

Classification and labelling according to GefStoffV:

Symbols of danger: Xi irritant

R-Phrases:

R 41: Risk of serious damage to eyes

R 37/38: Irritating to respiratory system and skin

S-Phrases:

S 2: Keep out of reach of children

S 22: Do not breathe dust

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

S 46: If swallowed, seek medical advice immediately and show this container or label.

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