



SECTION 1: Identification of the substance / preparation and of the company

1.1 Product identifier

**Waschmittel nach ISO 15797 A1/A2
Article number 88060-A1/A2**

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant uses

Detergent

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

wfk Testgewebe GmbH
Christenfeld 10
41379 Brüggen-Bracht / GERMANY
Phone +49-2157-871977
Fax +49-2157-90657
Homepage www.testgewebe.de
E-mail info@testgewebe.de

Address enquiries to

Technical information

info@testgewebe.de

Safety Data Sheet

sdb@chemiebuero.de

1.4 Emergency phone

Company

+49-2157-871977 Mo-Fr 8:00-17:00

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

Skin Corr. 1B: H314 Causes severe skin burns and eye damage.
Eye Dam. 1: H318 Causes serious eye damage.
STOT SE 3: H335 May cause respiratory irritation.

2.1.2 Classification according to Regulation 67/548/EEC or 1999/45/EC

C, Corrosive - R 35: Causes severe burns.
Xi, Irritant - R 37: Irritating to respiratory system.



2.2 Label elements

The product is classified and required to be labelled in accordance with EC-Directives

Labelling according to Regulation (EC) 1272/2008

Hazard pictograms



Signal word

DANGER

Contains:

Disodium metasilicate

Alkohole C13-C15 verzweigt und linear, ethoxyliert

Hazard statements

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

Precautionary statements

P260 Do not breathe dust.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P310 Immediately call a POISON CENTER/doctor.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container to in accordance with local/regional/national/international regulation.

Cleaner, 648/2004/CE, contains:

5 - <15% non-ionic surfactants

< 5% polycarboxylates

< 5% phosphonates

< 5% anionic surfactant

< 0,5% optical brighteners

2.3 Other hazards

Environmental hazards

Does not contain any PBT or vPvB substances.

Other hazards

Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

Product-type:

The product is a mixture.

Range [%]	Substance
40 - < 50	Disodium metasilicate CAS: 6834-92-0, EINECS/ELINCS: 229-912-9, EU-INDEX: 014-010-00-8, ECB-Nr.: 01-2119449811-37-XXXX GHS/CLP: Skin Corr. 1B: H314 - STOT SE 3: H335 - Met. Corr. 1: H290 EEC: C, R 34-37
30 - <40	Sodium carbonate CAS: 497-19-8, EINECS/ELINCS: 207-838-8, EU-INDEX: 011-005-00-2 GHS/CLP: Eye Irrit. 2: H319 EEC: Xi, R 36
5 - <10	Alkohole C13-C15 verzweigt und linear, ethoxyliert CAS: 157627-86-6 GHS/CLP: Acute Tox. 4: H302 - Eye Dam. 1: H318 - Aquatic Chronic 3: H412 EEC: Xn-N, R 22-41

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.
For full text of H-statements and R-phrases: see SECTION 16.



SECTION 4: First aid measures

4.1 Description of first aid measures

General information	Remove contaminated soaked clothing immediately and dispose of safely.
Inhalation	Seek medical advice immediately. Ensure supply of fresh air.
Skin contact	Immediate medical treatment necessary, as untreated burns can result in slow-healing wounds. In case of contact with skin wash off immediately with soap and water.
Eye contact	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice. Shield unaffected eye.
Ingestion	Consult a doctor immediately. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Forward this sheet to the doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.
Extinguishing media that must not be used	Full water jet.

5.2 Special hazards arising from the substance or mixture

Unknown risk of formation of toxic pyrolysis products.

5.3 Advice for firefighters

Use self-contained breathing apparatus.
Do not inhale explosion and/or combustion gases.
Use self-contained breathing apparatus.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation.
Use personal protective clothing.
Use breathing apparatus if exposed to dust.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Avoid raising dust.
Take up mechanically.
Dispose of absorbed material in accordance with the regulations.

6.4 Reference to other sections

See SECTION 8+13



SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid the formation and deposition of dust.

Use only in well-ventilated areas.

Provide vacuuming if dust raised.

The product is not combustible.

After worktime and before work breaks the affected skin areas must be thoroughly cleaned.

Do not eat, drink, smoke or take drugs at work.

Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Provide alkali-resistant floor.

Do not store together with acids.

Keep container tightly closed.

Keep in a cool place. Store in a dry place.

The product is hygroscopic.

Storage class 8B (VCI)

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

not applicable

DNEL

Range [%]	Substance
40 - < 50	Disodium metasilicate, CAS: 6834-92-0
	Industrial, inhalative, Long-term - systemic effects: 6,22 mg/m ³ .
	Industrial, dermal, Long-term - systemic effects: 1,49 mg/kg.
	general population, dermal, Long-term - systemic effects: 0,74 mg/kg.
	general population, inhalative, Long-term - systemic effects: 1,55 mg/m ³ .
	general population, oral, Long-term - systemic effects: 0,74 mg/kg.

PNEC

Range [%]	Substance
40 - < 50	Disodium metasilicate, CAS: 6834-92-0
	sewage treatment plants (STP), 1000 mg/l.
	seawater, 1 mg/l.
	freshwater, 7,5 mg/l.



8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation. To pay attention to dust limit value (ACGHI-2011: 10 mg/m ³ particle inhalable; 3 mg/m ³ particle respirable).
Eye protection	Tightly fitting goggles.
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. In full contact: Butyl rubber, >480 min (EN 374). In splash contact Butyl rubber, >480 min (EN 374).
Skin protection	Alkali-resistant protective clothing.
Other	Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier. Avoid contact with eyes and skin. Do not inhale dust.
Respiratory protection	Respiratory protection in the case of dust formation. Short term: filter apparatus, filter P2.
Thermal hazards	none
Delimitation and monitoring of the environmental exposition	Comply with applicable environmental regulations limiting discharge to air, water and soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	Powder
Color	white
Odor	mild
Odour threshold	not applicable
pH-value	strongly alkaline
pH-value [1%]	12,7
Boiling point [°C]	not determined
Flash point [°C]	not applicable
Flammability [°C]	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidizing properties	no
Vapour pressure/gas pressure [kPa]	not applicable
Density [g/ml]	1,15
Bulk density [kg/m³]	not determined
Solubility in water	soluble
Partition coefficient [n-octanol/water]	not determined
Viscosity	not applicable
Relative vapour density determined in air	not applicable
Evaporation speed	not applicable
Melting point [°C]	not determined
Autoignition temperature [°C]	not determined
Decomposition temperature [°C]	not determined

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.



10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with acids.

Reactions with light metals, with evolution of hydrogen.

Reactions with oxidizing agents.

10.4 Conditions to avoid

See SECTION 7

10.5 Incompatible materials

See SECTION 10.3.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Range [%]	Substance
5 - <10	Alkohole C13-C15 verzweigt und linear, ethoxyliert, CAS: 157627-86-6
	LD50, oral, Rat: 500 - 2000 mg/kg.
30 - <40	Sodium carbonate, CAS: 497-19-8
	LD50, oral, Rat: 4090 mg/kg (IUCLID).
	LC50, inhalative, Rat: 5750 mg/l 2 h (OECD 403).
40 - < 50	Disodium metasilicate, CAS: 6834-92-0
	LD50, oral, Rat: 1150 mg/kg.
	NOAEL, oral, Rat: 227 mg/kg/d.

Serious eye damage/irritation not determined

Skin corrosion/irritation not determined

Respiratory or skin sensitisation not determined

Specific target organ toxicity — single exposure not determined

Specific target organ toxicity — repeated exposure not determined

Mutagenicity not determined

Reproduction toxicity not determined

Carcinogenicity not determined

General remarks

Danger acute eye damage.

Corrosive action on the skin and mucous membrane.

Toxicological data of complete product are not available.

The classification as corrosive (R 35) is due to the extreme pH.

The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.



SECTION 12: Ecological information

12.1 Toxicity

Range [%]	Substance
5 - <10	Alkohole C13-C15 verzweigt und linear, ethoxyliert, CAS: 157627-86-6
	LC50, (96h), Brachidanio rerio: 1-10 mg/l.
	EC50, (72h), Scenedesmus subspicatus: 1-10 mg/l.
	EC50, (48h), Daphnia magna: 1-10 mg/l.
30 - <40	Sodium carbonate, CAS: 497-19-8
	LC50, (96h), Lepomis macrochirus: 300 mg/l (IUCLID).
	EC50, (48h), Daphnia magna: 265 mg/l (IUCLID).
40 - < 50	Disodium metasilicate, CAS: 6834-92-0
	LC50, (96h), Danio rerio: 210 mg/l.
	EC50, (48h), Daphnia magna: 1700 mg/l.
	EC50, (3h), Bacteria: > 100 mg/l.
	EC50, (72h), Algae: 204 mg/l.

12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	The product can cause foaming in sewage treatment plants.
Biological degradability	The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Other adverse effects

Ecological data of complete product are not available.

Do not discharge product unmonitored into the environment or into the drainage.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.



SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Dispose of as hazardous waste.
Coordinate disposal with the disposal contractor/authorities if necessary.

Waste no. (recommended)

070608*

Contaminated packaging

Packaging that cannot be cleaned should be disposed of as for product.
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.
Uncontaminated packaging may be taken for recycling.

Waste no. (recommended)

150110*

SECTION 14: Transport information

14.1 UN number

See SECTION 14.2 in accordance with UN shipping name

14.2 UN proper shipping name

Transport by land according to ADR/RID UN 3253 Disodium trioxosilicate, mixture 8 III

- Classification Code

C6

- Label



- ADR LQ

5 kg

- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 3 (E)

Inland navigation (ADN)

UN 3253 Disodium trioxosilicate, mixture 8 III

- Classification Code

C6

- Label



Marine transport in accordance with IMDG UN 3253 Disodium trioxosilicate, mixture 8 III

- EMS

F-A, S-B

- Label



- IMDG LQ

5 kg

Air transport in accordance with IATA UN 3253 Disodium trioxosilicate, mixture 8 III

- Label



14.3 Transport hazard class(es)

See SECTION 14.2 in accordance with UN shipping name

14.4 Packing group

See SECTION 14.2 in accordance with UN shipping name



14.5 Environmental hazards

See SECTION 14.2 in accordance with UN shipping name

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No information available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EEC-REGULATIONS	1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC
TRANSPORT-REGULATIONS	DOT-Classification, ADR (2013); IMDG-Code (2013, 36. Amdt.); IATA-DGR (2013).
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4
- Observe employment restrictions for people	Observe employment restrictions for young people. Observe employment restrictions for mothers-to-be and nursing mothers.
- VOC (1999/13/CE)	not applicable

15.2 Chemical safety assessment

For this product a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1 R-phrases (SECTION 3)

R 36: Irritating to eyes.
R 34: Causes burns.
R 37: Irritating to respiratory system.
R 22: Harmful if swallowed.
R 41: Risk of serious damage to eyes.

16.2 Hazard statements (SECTION 3)

H412 Harmful to aquatic life with long lasting effects.
H318 Causes serious eye damage.
H302 Harmful if swallowed.
H290 May be corrosive to metals.
H335 May cause respiratory irritation.
H314 Causes severe skin burns and eye damage.
H319 Causes serious eye irritation.



16.3 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
 CAS = Chemical Abstracts Service
 CLP = Classification, Labelling and Packaging
 DMEL = Derived Minimum Effect Level
 DNEL = Derived No Effect Level
 EC50 = Median effective concentration
 ECB = European Chemicals Bureau
 EEC = European Economic Community
 EINECS = European Inventory of Existing Commercial Chemical Substances
 ELINCS = European List of Notified Chemical Substances
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
 IC50 = Inhibition concentration, 50%
 IMDG = International Maritime Code for Dangerous Goods
 IUCLID = International Uniform Chemical Information Database
 LC50 = Lethal concentration, 50%
 LD50 = Median lethal dose
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships
 PBT = Persistent, Bioaccumulative and Toxic substance
 PNEC = Predicted No-Effect Concentration
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
 TLV@/TWA = Threshold limit value – time-weighted average
 TLV@STEL = Threshold limit value – short-time exposure limit
 VOC = Volatile Organic Compounds
 vPvB = very Persistent and very Bioaccumulative

16.4 Other information

Customs Tariff

not determined

Classification procedure

Skin Corr. 1B: H314 Causes severe skin burns and eye damage. (Calculation method)
 Eye Dam. 1: H318 Causes serious eye damage. (Calculation method)
 STOT SE 3: H335 May cause respiratory irritation. (Calculation method)

Modified position

none



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