


SECTION 1: Identification of the substance / preparation and of the company
1.1 Product identifier
Rinse aid Type C (formula III)
1.2 Relevant identified uses of the substance or mixture and uses advised against
1.2.1 Relevant uses

Cleaning agent

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 Irrit. 2: H315 Causes skin irritation.
 Eye Irrit. 2: H319 Causes serious eye irritation.

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

Xi, Irritant - R 36: Irritating to eyes.

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

WARNING

Hazard statements

H315 Causes skin irritation.
 H319 Causes serious eye irritation.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water/soap.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313 IF exposed or concerned: Get medical advice/attention.

Cleaner, 648/2004/CE, contains:

5 - <15% non-ionic surfactants

2.3 Other hazards
Other hazards

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



wfk Testgewebe GmbH
41379 Brüggen-Bracht

Date printed 16.04.2014, Revision 16.04.2014

Version 02. Supersedes version: 01

Page 2 / 9

SECTION 3: Composition / Information on ingredients

Product-type:

The product is a mixture.

| Range [%] | Substance |
|-----------|---|
| 10 - <20 | Fettalkoholalkoxylat 4 |
| | GHS/CLP: Skin Irrit. 2: H315 - Eye Irrit. 2: H319 |
| | EEC: Xi, R 36/38 |
| 1 - < 10 | Sodium cumenesulphonate |
| | CAS: 28348-53-0, EINECS/ELINCS: 248-983-7 |
| | GHS/CLP: Eye Irrit. 2: H319 |
| | EEC: Xi, R 36 |
| 1 - <5 | Citric Acid, liquid |
| | CAS: 77-92-9, EINECS/ELINCS: 201-069-1 |
| | GHS/CLP: Eye Irrit. 2: H319 |
| | EEC: Xi, R 36 |

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

Take off contaminated clothing and wash before reuse.

Inhalation

Ensure supply of fresh air.

Skin contact

In case of contact with skin wash off with warm water.
Consult a doctor if skin irritation persists.

Eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

Ingestion

Rinse out mouth and give plenty of water to drink.
Do not induce vomiting.
Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Irritant effects

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

not applicable

5.2 Special hazards arising from the substance or mixture

Unknown risk of formation of toxic pyrolysis products.
Sulphur oxides (SOx).

5.3 Advice for firefighters

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

Use personal protective equipment.
High risk of slipping due to leakage/spillage of product.
Ensure adequate ventilation.

6.2 Environmental precautions

Do not discharge into surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. general-purpose binder).
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

The normal safety precautions for handling chemicals must be observed.

Do not eat or drink when working.
Wash hands before breaks and after work.
Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Provide acid-resistant floor.
Do not store together with oxidizing agents.
Do not store with alkalies.
Keep container tightly closed.
Storage class 12 (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



wfk Testgewebe GmbH
41379 Brüggen-Bracht

Date printed 16.04.2014, Revision 16.04.2014

Version 02. Supersedes version: 01

Page 4 / 9

8.2 Exposure controls

| | |
|--|--|
| Additional advice on system design | Ensure adequate ventilation on workstation. |
| Eye protection | safety glasses |
| Hand protection | The details concerned are recommendations. Please contact the glove supplier for further information. In full contact: Butyl rubber, >120 min (EN 374). |
| Skin protection | not applicable |
| Other | Avoid contact with eyes and skin. 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. |
| Respiratory protection | not applicable |
| Thermal hazards | not applicable |
| 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 | liquid |
| Color | yellowish |
| Odor | citrus |
| Odour threshold | none |
| pH-value | ca. 2,2 |
| pH-value [1%] | not determined |
| 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 determined |
| Density [g/ml] | 1,03 |
| Bulk density [kg/m³] | not applicable |
| Solubility in water | soluble |
| Partition coefficient [n-octanol/water] | not determined |
| Viscosity | not determined |
| Relative vapour density determined in air | not determined |
| Evaporation speed | not determined |
| Melting point [°C] | not determined |
| Autoignition temperature [°C] | not applicable |
| 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).



wfk Testgewebe GmbH
41379 Brüggen-Bracht

Date printed 16.04.2014, Revision 16.04.2014

Version 02. Supersedes version: 01

Page 5 / 9

10.3 Possibility of hazardous reactions

Reactions with alkalis (lyes).
Reactions with oxidizing agents.

10.4 Conditions to avoid

No information available.

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 |
|-----------|---|
| 1 - < 10 | Sodium cumenesulphonate, CAS: 28348-53-0 LD50, oral, Rat: >7000 mg/kg bw (IUCLID). |
| 10 - <20 | Fettalkoholalkoxylat 4 LC50, oral, Rat: > 2000 mg/kg. |
| 1 - <5 | Citric Acid, liquid, CAS: 77-92-9 LD50, oral, Rat: 6730 mg/kg (Lit.). |

| | |
|---|----------------|
| Serious eye damage/irritation | Irritant |
| Skin corrosion/irritation | Irritant |
| 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 | |

Toxicological data of complete product are not available.
No classification on the basis of the calculation procedure of the preparation directive.
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 |
|-----------|--|
| 1 - < 10 | Sodium cumenesulphonate, CAS: 28348-53-0 |
| | LC50, (48h), Leuciscus idus: >1000 mg/L (IUCLID). |
| | EC50, (72h), Scenedesmus subspicatus: >1000 mg/L (IUCLID). |
| | EC50, (24h), Daphnia magna: >1000 mg/L (IUCLID). |
| 10 - <20 | Fettalkoholalkoxylat 4 |
| | LC50, (48h), Leuciscus idus: 1-10 mg/l. |
| | EC50, (48h), Daphnia magna: 1-10 mg/l. |
| | EC10, Activated sludge: > 1000 mg/l (DEV-L2). |
| 1 - <5 | Citric Acid, liquid, CAS: 77-92-9 |
| | (16h), Pseudomonas putida: IC5: > 10000 mg/l (Lit.). |
| | Scenedesmus quadricauda (alga): IC5: 640 mg/l/7d (Lit.). |
| | LC50, (96h), Leuciscus idus: 440-760 mg/l (IUCLID). |
| | EC50, (72h), Daphnia magna: ca. 120 mg/l (IUCLID). |

12.2 Persistence and degradability

Behaviour in environment compartments not determined

Behaviour in sewage plant not determined

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

PBT/vPvB assessment not available as chemical safety assessment not required or not conducted.

12.6 Other adverse effects

Ecological data of complete product are not available.

Do not discharge product unmonitored into the environment.

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



wfk Testgewebe GmbH

41379 Brüggen-Bracht

Date printed 16.04.2014, Revision 16.04.2014

Version 02. Supersedes version: 01

Page 7 / 9

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

Coordinate disposal with the disposal contractor/authorities if necessary.

Waste no. (recommended)

070799
200129*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.

Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended)

150102

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 NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

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

not applicable



wfk Testgewebe GmbH

41379 Brüggen-Bracht

Date printed 16.04.2014, Revision 16.04.2014

Version 02. Supersedes version: 01

Page 8 / 9

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. |
| - VOC (1999/13/CE) | not applicable |

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

16.1 R-phrases (SECTION 3)

R 36/38: Irritating to eyes and skin.
R 36: Irritating to eyes.

16.2 Hazard statements (SECTION 3)

H319 Causes serious eye irritation.
H315 Causes skin 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 Irrit. 2: H315 Causes skin irritation. (Calculation method) Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method) |
| Modified position | none |



Copyright: Chemiebüro®

