

Washing Buffer (20 x)

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 PRODUCT IDENTIFIER

Product name: **Washing Buffer (20x)**
for all products listed in the annex

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Reagent for in-vitro diagnostics in human samples.

For professional use only.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

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1.4 EMERGENCY TELEPHONE NUMBER

Phone: +49 (0)6074-4876-0 available only during office hours

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification according to EC regulation 1272/2008 (CLP)

This mixture is classified as not hazardous.

Classification according to Directive 67/548/EEC or 1999/45/EC

This preparation is classified as not hazardous.

2.2 LABEL ELEMENTS

Labelling (CLP)

Hazard statements: not applicable

Safety precautions: not applicable

Labelling (67/548/EEC or 1999/45/EC)

R phrase(s): not applicable

S phrase(s): not applicable

2.3 OTHER HAZARDS

No risks worthy of mention.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 SUBSTANCES: not applicable

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3.2 MIXTURES

Chemical characterization: Aqueous solution of additives

Hazardous Ingredients:

Ingredient	Designation	Content	Classification
REACH 01-2119457610-43-xxxx EINECS 200-578-6 CAS 64-17-5	Ethanol	< 1 %	EU: F; R11 CLP: Flam. Liq. 2; H225
EINECS 250-001-7 CAS 30007-47-7	5-Bromo-5-nitro-1,3-dioxane	< 0,5 %	EU: Xn; R22. C; R34. N; R50-53 CLP: Acute Tox. 4; H302. Skin Corr. 1B; H314. Aquatic Acute 1; H400. Aquatic Chronic 1; H410

4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

- After inhalation: Provide fresh air. Seek medical treatment in case of troubles.
- In case of skin contact: Remove residues with water. Change contaminated clothing. In case of skin reactions, consult a physician.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.
- After swallowing: Rinse mouth and drink large quantities of water. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable extinguishing media:
Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Fires in the immediate vicinity may cause the development of dangerous vapours.

5.3 ADVICE FOR FIRE-FIGHTERS

Special protective equipment for firefighters:
In case of surrounding fires: Wear self-contained breathing apparatus.

Additional information:
Do not allow fire water to penetrate into surface or ground water.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Avoid contact with skin and eyes. Provide adequate ventilation. Wear personal protection equipment.

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6.2 ENVIRONMENTAL PRECAUTIONS

Do not allow to penetrate into soil, waterbodies or drains.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance. Wash spill area with plenty of water.

6.4 REFERENCE TO OTHER SECTIONS

Refer additionally to chapters 8 and 13.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Advices on safe handling:

Provide adequate ventilation, and local exhaust as needed. Keep all containers, equipment and working place clean.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Requirements for storerooms and containers:

Store container tightly closed in a dry and cool place.

Storage class:

12 Non-combustible liquids.

7.3 SPECIFIC END USE(S)

No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
64-17-5	Ethanol	Germany: WEL short term	1920 mg/m ³ ; 1000ppm
		Germany: WEL long term	960 mg/m ³ ; 500 ppm

8.2 EXPOSURE CONTROLS

Provide good ventilation and/or an exhaust system in the work area.

Occupational exposure controls:

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. Use filter type A (= against vapours of organic substances) according to EN 14387.

Hand protection: Protective gloves according to EN 374.
Glove material: Nitrile rubber.
Breakthrough time: >480 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:

Change contaminated clothing.

Wash hands before breaks and after work.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	liquid
Colour:	colourless
Odour:	odourless
Odour threshold	no data available
pH value:	7.0-7.4
Melting point/melting range:	no data available
Boiling temperature/boiling range:	no data available
Flash point/flash point range:	no data available
Vapourisation rate:	no data available
Flammability:	no data available
Explosive properties:	no data available
Explosion limits:	no data available
Vapour pressure:	no data available
Vapour density:	no data available
Density:	no data available
Solubility:	no data available
Partition coefficient n-octanol/water:	no data available
Autoflammability:	no data available
Thermal decomposition:	no data available
Viscosity, dynamic:	no data available
Explosive properties:	no data available
Oxidizing characteristics:	no data available

9.2 OTHER INFORMATION

No data available

10. STABILITY AND REACTIVITY

10.1 REACTIVITY

Refer to 10.3

10.2 CHEMICAL STABILITY

Product is stable under normal storage conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No hazardous reactions known.

10.4 CONDITIONS TO AVOID

Protect from excessive heat.

10.5 INCOMPATIBLE MATERIALS

No data available

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Fires in the immediate vicinity may cause the development of dangerous vapours.

Thermal decomposition: no data available

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11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Toxicological effects:	Acute toxicity (oral):	Lack of data.
	Acute toxicity (dermal):	Lack of data.
	Acute toxicity (inhalative):	Lack of data.
	Skin corrosion/irritation:	Lack of data.
	Eye damage/irritation:	Lack of data.
	Sensitisation to the respiratory tract:	Lack of data.
	Skin sensitisation:	Lack of data.
	Germ cell mutagenicity/Genotoxicity:	Lack of data.
	Carcinogenicity:	Lack of data.
	Reproductive toxicity:	Lack of data.
	Effects on or via lactation:	Lack of data.
	Specific target organ toxicity (single exposure):	Lack of data.
	Specific target organ toxicity (repeated exposure):	Lack of data.
	Aspiration hazard:	Lack of data.

12. ECOLOGICAL INFORMATION

12.1 TOXICITY

Water Hazard Class: 1 = slightly hazardous to water

12.2 PERSISTENCE AND DEGRADABILITY

Further details: No data available

12.3 BIOACCUMULATIVE POTENTIAL

Partition coefficient n-octanol/water: no data available

12.4 MOBILITY IN SOIL

No data available.

12.5 RESULTS OF PBT AND vPvB ASSESSMENT

No data available.

12.6 OTHER ADVERSE EFFECTS

General information: Do not allow to enter into ground-water, surface water or drains.

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Product:

Waste key number: 16 05 06* = Laboratory chemicals consisting of or containing dangerous substances including mixtures of laboratory chemicals.
* = Evidence for disposal must be provided.

Recommendation: Special waste. Dispose of waste according to applicable legislation.

Contaminated Packaging:

Waste key number: 15 01 02 = Plastic packaging.
Recommendation: Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

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14. TRANSPORT INFORMATION

14.1 UN NUMBER

Not applicable

14.2 UN PROPER SHIPPING NAME

Not restricted

14.3 TRANSPORT HAZARD CLASS(ES)

Not applicable

14.4 PACKING GROUP

Not applicable

14.5 ENVIRONMENTAL HAZARDS

Marine pollutant - IMDG: No

14.6 SPECIAL PRECAUTIONS FOR USER

No dangerous good in sense of these transport regulations.

14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

No data available

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**National regulations - Germany**

Storage class: 12 Non-combustible liquids

Water Hazard Class: 1 = slightly hazardous to water

15.2 CHEMICAL SAFETY ASSESSMENT

No data available.

16. OTHER INFORMATION

Further information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Wording of the H-phrases under paragraphs 2 and 3:

H225 = Highly flammable liquid and vapour.

H302 = Harmful if swallowed.

H314 = Causes severe skin burns and eye damage.

H410 = Very toxic to aquatic life with long lasting effects.

Wording of the R-phrases under paragraphs 2 and 3:

R 11 = Highly flammable.

R 22 = Harmful if swallowed.

R 34 = Causes burns.

R 50/53 = Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

History: updated annex

Date of issue: 20.02.2014

Version: 02

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Annex

Product code	Product name
ADVA0010	Adenovirus IgA
ADVG0010	Adenovirus IgG
ADVM0010	Adenovirus IgM
ASCG0020	Ascaris lumbricoides IgG
BOPA0030	Bordetella pertussis IgA
BOPG0030	Bordetella pertussis IgG
BOPM0030	Bordetella pertussis IgM
BPTA0610	Bordetella pertussis toxin (PT) IgA
BPTG0610	Bordetella pertussis toxin (PT) IgG
BORG0040	Borrelia burgdorferi IgG
BORM0040	Borrelia burgdorferi IgM
BORG0320	Lyme Borrelia IgG
BRUG0050	Brucella IgG
BRUM0050	Brucella IgM
CANA0060	Candida albicans IgA
CANG0060	Candida albicans IgG
CANM0060	Candida albicans IgM
CCVG0630	Crimean-Congo Hemorrhagic Fever Virus (CCHVF) IgG
CCVM0630	Crimean-Congo Hemorrhagic Fever Virus (CCHVF) IgM
CHAG0560	Chagas (Trypanosoma cruzi) IgG
TRYP0570	Chagas
CHIG0590	Chikungunya Virus IgG capture
CHIM0590	Chikungunya Virus IgM μ -capture
CHLA0070	Chlamydia trachomatis IgA
CHLG0070	Chlamydia trachomatis IgG
CHLM0070	Chlamydia trachomatis IgM
CHLA0510	Chlamydia pneumoniae IgA
CHLG0510	Chlamydia pneumoniae IgG
CHLM0510	Chlamydia pneumoniae IgM
CORG0090	Corynebacterium diphtheriae toxin IgG
CORG5009	Corynebacterium diphtheriae toxin 5S IgG
PCORG009	Corynebacterium diphtheriae toxin 5S IgG plus
COX1G0600	Coxiella burnetii (Q-Fever) Phase 1 IgG
COX2G0600	Coxiella burnetii (Q-Fever) Phase 2 IgG
COX2M0600	Coxiella burnetii (Q-Fever) Phase 2 IgM
CMVG0110	Cytomegalovirus (CMV) IgG
CMVM0110	Cytomegalovirus (CMV) IgM
DENG0120	Dengue Virus IgG
DENM0120	Dengue Virus IgM
DVM0640	Dengue Virus IgM μ -capture
ECHG0130	Echinococcus IgG
ENTG0140	Entamoeba histolytica IgG
EBVG0150	Epstein-Barr Virus (VCA) IgG
EBVM0150	Epstein-Barr Virus (VCA) IgM
EBVG0580	Epstein-Barr Virus (EBNA) IgG
HELA0220	Helicobacter pylori IgA
HELG0220	Helicobacter pylori IgG
PHELA022	Helicobacter pylori IgA plus
PHELG022	Helicobacter pylori IgG plus
HSV0250	Herpes simplex Virus 1+2 (HSV) IgG
HSVM0250	Herpes simplex Virus 1+2 (HSV) IgM

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Product code	Product name
HSV1G0500	Herpes simplex Virus 1 (HSV 1) IgG
HSV1M0500	Herpes simplex Virus 1 (HSV 1) IgM
HSV2G0540	Herpes simplex Virus 2 (HSV 2) IgG
HSV2M0540	Herpes simplex Virus 2 (HSV 2) IgM
INFA0290	Influenza Virus A IgA
INFG0290	Influenza Virus A IgG
INFM0290	Influenza Virus A IgM
INFA0300	Influenza Virus B IgA
INFG0300	Influenza Virus B IgG
INFM0300	Influenza Virus B IgM
LEGG0650	Legionella pneumophila IgG
LEGM0650	Legionella pneumophila IgM
LEIG0310	Leishmania infantum IgG
LEPG0660	Leptospira IgG
LEPM0660	Leptospira IgM
MAL0620	Malaria
MEAG0330	Measles Virus IgG
MEAM0330	Measles Virus IgM
MUMG0340	Mumps Virus IgG
MUMM0340	Mumps Virus IgM
MYCA0350	Mycoplasma pneumoniae IgA
MYCG0350	Mycoplasma pneumoniae IgG
MYCM0350	Mycoplasma pneumoniae IgM
PAIA0360	Parainfluenza Virus 1,2,3 IgA
PAIG0360	Parainfluenza Virus 1,2,3 IgG
PARG0370	Parvovirus B19 IgG
PARM0370	Parvovirus B19 IgM
RSVA0380	Respiratory syncytial Virus IgA
RSVG0380	Respiratory syncytial Virus IgG
RSVM0380	Respiratory syncytial Virus IgM
RUBG0400	Rubella Virus IgG
RUBM0400	Rubella Virus IgM μ -capture
SCHG0410	Schistosoma mansoni IgG
TAEG0420	Taenia solium IgG
TETG0430	Clostridium tetani toxin IgG
TETG5043	Clostridium tetani toxin 5S IgG
PTETG043	Clostridium tetani toxin 5S IgG plus
TICG0440	TBE / FSME IgG
PTICG044	TBE / FSME IgG plus
TICM0440	TBE / FSME IgM
TOCG0450	Toxocara canis IgG
TOXA0460	Toxoplasma gondii IgA
TOXG0460	Toxoplasma gondii IgG
TOXM0460	Toxoplasma gondii IgM μ -capture
TREG0470	Treponema pallidum
TRIG0480	Trichinella spiralis IgG
VZVA0490	Varicella-Zoster Virus (VZV) IgA
VZVG0490	Varicella-Zoster Virus (VZV) IgG
VZVM0490	Varicella-Zoster Virus (VZV) IgM

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Product code	Product name
ATG1010	Anti-TG
ATPO1020	Anti-TPO
TSH1030	TSH
RFM3010	Rheumatiod Factor IgM