

Date of issue : 22.06.2011 Replaces Data Sheet of : 10.06.2005
 "*" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 **Product identifier**
Trade Name : Wash Buffer II
Article No. : n.av.
Preparation No. : n.av.
Registration No. : n.ap.
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**
 Analytics, Diagnostics
- 1.3 **Details of the supplier of the safety data sheet**
- 1.3.1 **Address of the Company / Supplier :**
 STRATEC Molecular GmbH, Robert-Rössle-Straße 10, D - 13125 Berlin
 Telephone : +49-30-94 89-3796, Telefax : +49-30-94 89-3795, E-Mail : n.av.
- 1.3.2 **Responsible :**
 Chemie & Vorschrift, Kannheideweg 35, D-53123 Bonn-Duisdorf; E-Mail: info[at]chemie-vorschrift.de
- 1.4 **Emergency telephone number**

Emergency - Telephone of Company / Undertaking	Information Centre Specialising in Symptoms of Poisoning
Telephone : +49-30-94 89-3796 (08:30 - 16:30)	Telephone : +49 - 761 - 19 240

SECTION 2: Hazards identification

- 2.1 **Classification of the substance or mixture**
 n.ap.
- 2.2 **Label elements**
 Classification according to EEC - RegulationsNo.
 :
 Applicable Exemptions :
 Hazard Identification : n.ap. Hazard Symbol(s) :
 Component(s) :

R - Phrases :

S - Phrases :

 Additional Markings :
 None.

 Classification according to 1272/2008/EC : n.ap.
 Signal word(s) : Hazard pictogram(s) :
 Component(s) :

H - Phrases :

P - Phrases :

 Additional Markings :
 None.

 The above mentioned labelling is valid for distribution to industrial user.
- 2.3 **Other hazards**
 No special dangers known.

SECTION 3: Composition/information on ingredients

- 3.1 **Substances**
Chemical Characterisation :
 Aqueous solution of buffers
- 3.2 **Mixtures**
Dangerous Ingredients :

CAS - No.	Index - No.	EEC - No.	Material	m% - range	Symbol	R / H - phrases

SECTION 4: First aid measures

- 4.1 **Description of first aid measures**

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- 4.1.1 **Inhalation :**
Remove person to fresh air. In the event of symptoms occurring, seek medical treatment.
- 4.1.2 **Skin Contact :**
Wash with soap and water.
- 4.1.3 **Eye Contact :**
Flush eyes out immediately with large amounts of water with eye lids lifted.
- 4.1.4 **Ingestion :**
Rinse mouth out and drink plenty of water. In the event of symptoms occurring, seek medical treatment.
- 4.2 **Most important symptoms and effects, both acute and delayed**
n.av.
- 4.3 **Indication of any immediate medical attention and special treatment needed**
Symptomatic treatment.

SECTION 5: Firefighting measures

- 5.1 **Extinguishing media**
- 5.1.1 **Suitable Extinguishing Media :**
Use water spray jet only. Foam, dry chemicals, CO2.
- 5.1.2 **Extinguishing Media to Avoid :**
None.
- 5.2 **Special hazards arising from the substance or mixture**
None.
- 5.3 **Advice for firefighters**
- 5.3.1 **Special Protective Equipment :**
Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.
- 5.3.2 **Additional Information :**
This material is not combustible; use extinguishing media appropriate for surrounding fire.

SECTION 6: Accidental release measures

- 6.1 **Personal precautions, protective equipment and emergency procedures**
- 6.2 **Environmental precautions**
Do not allow larger quantities to enter drainage. Soak up with absorbent material. Inform responsible authorities after accidental conduction of larger quantities.
- 6.3 **Methods and material for containment and cleaning up**
Packaging that cannot be cleaned should be disposed of as for product
- 6.4 **Reference to other sections**
None.

SECTION 7: Handling and storage

- 7.1 **Precautions for safe handling**
- 7.1.1 **Precautions for Safe Handling :**
No special measures necessary if used correctly.
- 7.1.2 **Precautions in Case of Fire and Explosion :**
No special measures necessary if used correctly.
- 7.2 **Conditions for safe storage, including any incompatibilities**
- 7.2.1 **Storage Instructions :**
No special measures necessary if used correctly.
- 7.2.2 **Store away from :**
Store away from oxidizers.
- 7.2.3 **Further Information on Storage Conditions :**
None.
- 7.3 **Specific end use(s)**
None.

SECTION 8: Exposure controls/personal protection

- 8.1 **Control parameters**
- | Material | Limit Value |
|----------|-------------|
| | |
- 8.2 **Exposure controls**
- 8.2.1 **Appropriate engineering controls**
Do not inhale vapours. Avoid prolonged and / or repeated contact with skin. Avoid contact with eyes. Remove contaminated, saturated clothing immediately. Do not eat, drink or smoke during work.

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8.2.2 Individual protection measures8.2.2a **Respiratory** No.**Protection :**8.2.2b **Hand Protection :** In case of prolonged skin contact use protective gloves.8.2.2c **Eye Protection :** Not relevant8.2.2d **Skin Protection :** Not relevant8.2.2e **Further Information :**8.2.3 **Environmental exposure controls :**

n.av.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

9.1.1	Form : liquid	Colour : colourless	Odour : almost odourless
9.1.2	pH-value, undiluted :	n.av., pH-value, 1% aqueous solution : n.av.	
9.1.3	Boiling point / Boiling - range (°C) :	~ 100, Melting point / Melting range (°C) : < 0	
9.1.4	Flash point (°C, c.c.) :	n.ap.,	
9.1.5	Flammability (EEC A10/A13) :	n.ap.	
9.1.6	Ignition temperature (°C) :	n.ap.	
9.1.7	Autoflammability (EEC A16) :	n.ap.	
9.1.8	Oxidising properties :	None.	
9.1.9	Explosion hazard :	No.	
9.1.10	Explosion limits (Vol.%) lower :	None., upper : None.	
9.1.11	Vapour pressure :	n.av.	
9.1.12	Density (g/ml) :	~ 1	
9.1.13	Solubility (in Water) :	miscible	Soluble in : dispersible in polar solvents
9.1.14	Partition coefficient, n-Octanol/Water :	n.av.	
9.1.15	Viscosity :	n.av.	
9.1.16	Solvent separation test :	n.av.	
9.1.17	Solvent content (m %) :	n.ap.	
9.2	Other information		
9.2.1	Thermal decomposition (°C) :	n.av.	
9.2.2	Vapour density (Air = 1) :	n.ap.	
9.2.3	Evaporation rate :	n.av.	

SECTION 10: Stability and reactivity**10.1 Reactivity**

None.

10.2 Chemical stability

Stable at normal temperature.

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

No special measures necessary if used correctly.

10.5 Incompatible materials

None.

10.6 Hazardous decomposition products

No dangerous decomposition products when properly handled.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****11.1.1 Acute Health Effects :**Inhalation, LC₅₀ rat, (mg/l/4h) : n.av.Ingestion, LD₅₀ rat, (mg/kg) : n.av.Skin - contact, LD₅₀ rat, (mg/kg) : n.av.

Irritation (to skin / eye) : No.

Sensitisation : No.

11.1.2 Subacute / Chronic Toxicity :

Carcinogenicity : No.

Mutagenicity : n.av.

Teratogenicity : n.av.

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Narcotic Effects : None.

11.1.3 Practical Experience

11.1.3.1 Observations relevant for classification :

None.

11.1.3.2 Further Observations :

None.

11.1.4 General Remarks :

Classification of the preparation has been done by calculation in accordance with EEC directives.

SECTION 12: Ecological information

12.1 Toxicity

n.av.

12.2 Persistence and degradability

The product is biodegradable.

12.3 Bioaccumulative potential

n.av.

12.4 Mobility in soil

n.av.

12.5 Results of PBT and vPvB assessment

n.av.

12.6 Other adverse effects

12.6.1 COD-Value, mg/g : n.av.

12.6.2 BOD₅-Value, mg/g : n.av.

12.6.3 AOX-Remarks : n.ap.

12.6.4 Significant Components : None.

12.6.5 Other adverse effects : None.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Recommendation : R 2 / D 10

Waste - Code - No. : : 07 06 99

In addition comply with the regional authorities.

13.2 Contaminated Packaging

13.2.1 Recommendation : Wash with suitable cleaner. Otherwise as described under Residues. Packaging that cannot be cleaned should be disposed of as for product

13.2.2 Safe Handling : As described under Residues.

SECTION 14: Transport information

	ADR No dangerous goods according to ADR	IMDG No dangerous goods according to IMDG	IATA No dangerous goods according to IATA-DGR
14.1 UN number			
14.2 UN proper shipping name			
14.3 Transport hazard class(es)			
14.4 Packing group			
14.5 Environmental hazards			
14.6 Special precautions for user			
	Transport-category : Classification Code : Hazard - No. : LQ:		Packing Instructions (Passenger) Packing Instructions

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(Cargo)

14.7 **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code****SECTION 15: Regulatory information**15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**15.1.1 **VOC-Content: n.av.**

15.1.2 1; Classification according to VwVwS

15.2 **Chemical safety assessment : None.****SECTION 16: Other information**

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

Prepared by : Chemie & Vorschrift, Kannheideweg 35, D-53123 Bonn-Duisdorf, ☎ +49-228-74 81 824

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