

Date of issue : 17.05.2011 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 I
Article No. : n.av.
Preparation No. : n.av.
Registration No. : n.av.
- 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**
 Harmful
- 2.2 **Label elements**
 Classification according to EEC - Regulations : Yes.
 Applicable Exemptions : No.
 Hazard Identification : Harmful
 Component(s) : Guanidinthiocyanate

Hazard Symbol(s) :



R - Phrases :

R 20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
 R 32: Contact with acids liberates very toxic gas.
 R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S - Phrases :

S 13: Keep away from food, drink and animal feeding stuffs.
 S 61: Avoid release to the environment. refer to special instructions / Safety data sheets.

Additional Markings :
 None.

Classification according to 1272/2008/EC : Yes.
 Signal word(s) : Warning
 Component(s) : Guanidinthiocyanate

Hazard pictogram(s) :



H - Phrases :

H302: Harmful if swallowed.
 H312: Harmful in contact with skin.
 H332: Harmful if inhaled.
 H412: Harmful to aquatic life with long lasting effects.
 EUH032: Contact with acids liberates very toxic gas.

P - Phrases :

P273: Avoid release to the environment.

Additional Markings :
 None.

The above mentioned labelling is valid for distribution to industrial user.

- 2.3 **Other hazards**
 Degreases skin. May cause skin and eye irritation. Materials should be tested for resistance.

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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
593-84-0	615-004-00-3	209-812-1	Guanidinthiocyanat	25 - 50%	Xn	R 20/21/22-32-52/53

SECTION 4: First aid measures**4.1 Description of first aid measures****4.1.1 Inhalation :**

Risk of pulmonary oedema. Remove from danger area and provide for fresh air. In the event of symptoms occurring, seek medical treatment.

4.1.2 Skin Contact :

Wash off immediately with large amounts of water. If symptoms persist, consult physician.

4.1.3 Eye Contact :

Flush eyes out immediately with large amounts of water with eye lids lifted. Call physician.

4.1.4 Ingestion :

Do not cause vomiting. Rinse mouth out and drink plenty of water. Summon a doctor immediately.

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

Continue to monitor for pneumonia and pulmonary oedema. Symptomatic treatment.

SECTION 5: Firefighting measures**5.1 Extinguishing media****5.1.1 Suitable Extinguishing Media :**water spray jet, Foam, dry chemicals, CO₂.**5.1.2 Extinguishing Media to Avoid :**

None.

5.2 Special hazards arising from the substance or mixtureIn case of fire, product may form: Organic crackproducts and carbon oxides., nitrogenoxides (NO_x), Thiocyanates.**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**

Provide sufficient ventilation.

6.2 Environmental precautions

Do not allow to enter drainage / surface-water / ground-water. Inform responsible authorities after accidental conduction. Take up with suitable absorbent material.

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 :**

Keep container tightly closed. Close container straight after use or if empty. Application only when sufficient ventilated.

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 :**

Provide solvent resistant and tight floor. Provide sufficient ventilation.

7.2.2 Store away from :

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Thiocyanate

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) : Irritating to skin. Moderate eye irritation.
 - Sensitisation : Allergic reactions and sensitization are possible.
- 11.1.2 **Subacute / Chronic Toxicity :**
 - Carcinogenicity : n.av.
 - Mutagenicity : n.av.
 - Teratogenicity : n.av.
 - Narcotic Effects : None.
- 11.1.3 **Practical Experience**
- 11.1.3.1 Observations relevant for classification : n.av.
- 11.1.3.2 Further Observations :
Frequent or permanent contact to skin may lead to irritation or dermatitis.
- 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 highly volatile and can be largely eliminated from the water by stripping.
- 12.3 **Bioaccumulative potential**
- 12.4 **Mobility in soil**
- 12.5 **Results of PBT and vPvB assessment**
- 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.av.
- 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.
- 13.2.2 Safe Handling : As described under Residues.

SECTION 14: Transport information

	ADR	IMDG	IATA
	No dangerous goods according to ADR	No dangerous goods according to IMDG	No dangerous goods according to IATA-DGR
14.1	UN number		
14.2	UN proper shipping name		
14.3	Transport hazard class(es)		

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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
(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 2; Classification according to VwVwS

15.2 **Chemical safety assessment :****SECTION 16: Other information**

R 20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R 32: Contact with acids liberates very toxic gas.

R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

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Receipt of Data : 28.06.2002, inv007b

