

## MATERIAL SAFETY DATA SHEET

acc. to 1907/2006/EG

Version V-I-14

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**1. Identification of the substance/mixture and of the company**

Product name:	DILUTION BUFFER
Product number:	SFP-U-003
Application of the substance/mixture:	Laboratory chemicals
Manufacturer/Supplier/ Information department:	CHIPRON GmbH Eresburgstrasse 22-23 D-12103 Berlin Germany Tel.: +49 (0)30 78799470 FAX.: +49 (0)30 78799499

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**2. Composition/Information on Ingredients**

Chemical characterization

Description: Mixture of non-hazardous substances

The concentrations of the constituents herein contained are below the regulatory threshold limits.

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**3. Potential hazards**

3.1. Hazard identification:

Per the latest amendments to the European Union Directive 1907/2006/EG, this product does not require a Material Safety Data Sheet (MSDS).

3.2. Special hazard notice for humans and environment:

The chemical, physical, and toxicological properties of this product have not been thoroughly investigated yet. Therefore, we recommend the use of gloves, lab coats, and eye protection when working with this or any other chemical reagents. CHIPRON assumes no liability for damage resulting from handling or contact with these products.

3.3. Classification system: none

The classification is made according to the latest editions of international substance lists and is expanded upon by technical literature/ supplier company information.

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**4. First aid measures**

General advices:	Generally not hazardous in normal handling. Avoid long term exposure to skin or inhalation.
Inhalation:	Move to fresh air.
Skin contact:	Wash immediately with copious amount of water and soap and rinse thoroughly.
Eye contact:	Flush opened eye for several minutes under running water. Consult a physician if irritation persists.
Ingestion:	Wash out mouth with water. Consult a physician if necessary.

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## 5. Fire-fighting measures

Suitable extinguishing agents: Use fire-fighting measures which best suit the environment.

Specific risks in case of fire: No further information available.

Protective equipment: No special measures required.

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## 6. Accidental Release Measures

Personal precautions: Not required.

Environmental precautions: No special measures required.

Methods for cleaning up: Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).

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## 7. Handling and storage

### 7.1. Handling:

Precautions for safe handling: No special measures required, if handled as described.

Explosions and fire precaution: No special measures required.

### 7.2. Storage:

Requirements to be met by storerooms and receptacles: No special requirements

Information about storage in one common storage facility: Not required

Additional information about storage conditions: Keep cool.

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## 8. Exposure Controls And Personal Protection

8.1. Engineering Controls: No specific controls are needed. Normal room ventilation is adequate.

### 8.2. Personal Protection:

General hygiene measures: Keep away from food, drinks and forage.

Wash hands, forearms and face thoroughly after handling chemical products.

Remove potentially contaminated clothing.

Avoid skin and eye contact.

Respiratory Protection: Not required.

Skin Protection: Handle with gloves. Selection of the glove material based on consideration of the penetration times, rates of diffusion and the degradation.

Gloves material: The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety goggles recommended.

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## 9. Physical And Chemical Properties

### 9.1. General information

Form: fluid  
Color: blue  
Odor: odorless

### 9.2. Properties

Melting point/melting range: Not determined.  
Boiling point/boiling range: Not determined.  
Flash point: Not flammable.  
Autoignition: No.  
Explosion hazard: The product is not explosive.  
Density at 20°C: Not determined.  
Solubility in water: Completely miscible.

9.3. Content of organic solvents No.

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## 10. Stability And Reactivity

Thermal stability: No decomposition if used according to the specification.  
Hazardous reactions: No data available.  
Hazardous decomposition products: No data available.

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## 11. Toxicological Information

### 11.1. Acute toxicity:

LD/LC50-Data: No data available.

### 11.2. Primary irritant effects:

Skin irritation: Unproven.  
Eye irritation: Unproven.  
Sensitization: No sensitizing effects known.

### 11.3. Additional toxicological information:

According to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version, the product is classified as:

Non-hazardous substance.

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## 12. Ecological Information

General Notes: Water hazard class 1 (self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 13. Disposal Consideration

#### 13.1. Product

Recommendation: Small amounts can be disposed of together with regular household garbage.  
Do not allow greater amounts to reach sewage system.

#### 13.2. Uncleaned packagings

Recommendation: Disposal in accordance with local regulations.  
Recommended cleansing agent: Water, if necessary with cleansing agents.

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### 14. Transport information

Land transport ADR/RID: No regulations.

Maritime transport IMDG: No regulations.

Air transport IATA: No regulations.

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### 15. Regulations

Identification according to EC-Guidelines: Not required.

Hazard designation: Not required.

National Regulations:

Water hazard class: Water hazard class 1 (self-assessment): slightly hazardous for water.

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### 16. Additional information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

Chipron GmbH shall not be held liable for any damage resulting from handling or from contact with the above product.

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