

## 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: WASH BUFFER 200 x CONCENTRATE  
Product number: SFP-U-015  
Application of the substance/mixture: Laboratory chemicals  
Manufacturer/Supplier/ Information department:

CHIPRON GmbH  
Eresburgstrasse 22-23  
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Germany  
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**2. Composition/Information on Ingredients**

## Chemical characterization

Description: Mixture of the substances listed below with nonhazardous additions. The concentrations of all constituents herein contained are below the regulatory threshold limits.

Constituent	CAS-Nr.	EG-Nr.	Classification	Concentration
N-Dodecanoyl-N-methylglycine-sodium salt	137-16-6	259-364-6	T, Xi, R23, R38, R41 (acc.to 67/548/EWG) H330, H315, H318 (acc.to 1272/2008 CLP)	3-5 %

**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 product is not classified as a hazardous substance. 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.
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. Firefighting measures

Suitable extinguishing agents:	Use fire fighting measures which best suit the environment.
Specific risks in case of fire:	Not known.
Protective equipment:	Wear suitable clothing and breathing protection, avoid contact with skin and eyes, avoid inhalation of explosion and combustion gases.

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#### 6. Accidental Release Measures

Personal precautions:	Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
Environmental precautions:	Small amounts of the liquid may be diluted with plenty of water. Do not allow to enter ground water, water course or sewage system.
Methods for cleaning up:	Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to item 13.

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#### 7. Handling and storage

##### 7.1. Handling:

Precautions for safe handling:	Keep receptacles tightly sealed.
Explosions and fire precaution:	No special measures required.

##### 7.2. Storage:

Requirements to be met by storerooms and receptacles:	Keep receptacles tightly sealed.
Information about storage in one common storage facility:	Not required.
Additional information about storage conditions:	No.

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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 the 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: Use tightly sealed goggles.

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## 9. Physical And Chemical Properties

### 9.1. General information

Form: fluid  
Color: transparent  
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: Avoid contact with strong oxidizing agents.  
Hazardous reactions: Reacts with acids and alkali.  
Hazardous decomposition products: Carbon monoxide, carbon dioxide, nitrogen oxides (Nox).

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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:

No 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.

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## 13. Disposal Consideration

### 13.1. Product

Recommendation: The product at the provided concentration (200 x) must not be disposed of together with regular household garbage or via the sewage system. Dilutions of the buffer concentrate according to the manual (1x working solution) can be disposed of along with plenty of water. Dispose of in accordance with local regulations. Do not allow greater amounts to reach sewage system.

### 13.2. Uncleaned packagings

Recommendation: Disposal according to the official 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.

If handled in accordance with the specifications, no harms or hazards are caused by the product.

The salt-like leftovers and the highly concentrated solution of the product resulting after evaporation are classified as hazardous substances according to the General EU Classification Guidelines (EG) 1272/2008.

Additional information and safety data can be found:  
<http://www.sigmaaldrich.com>

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