

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## BUZ® LAUNDRY CHLORIN

Revision date: 07.04.2021

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

#### 1.1. Product identifier

BUZ® LAUNDRY CHLORIN

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

EuPCS: PC-DET-2.1 Detergency boosters and in-wash stain removers

Process categories [PROC] : 1, 2, 8, 9

#### 1.3. Details of the supplier of the safety data sheet

Company name: BUZIL-WERK Wagner GmbH & Co. KG

Street: Fraunhofer Str. 17

Place: D-87700 Memmingen

Telephone: +49 (0) 8331 930-6

Telefax: +49 (0) 8331 930-880

e-mail: info@buzil.de

Contact person: info@buzil.de

Internet: www.buzil.com

1.4. Emergency telephone number: +49 (0) 8331 930-6 (08:00 - 16:00 h)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No. 1272/2008

Hazard categories:

Substance or mixture corrosive to metals: Met. Corr. 1

Skin corrosion/irritation: Skin Corr. 1B

Hazardous to the aquatic environment: Aquatic Acute 1

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

May be corrosive to metals.

Causes severe skin burns and eye damage.

Very toxic to aquatic life.

Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

##### Hazard components for labelling

sodium hypochlorite solution 5% Cl active

Signal word: Danger

Pictograms:



##### Hazard statements

H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

##### Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/doctor.
- P501 Dispose of contents/containers in accordance with local and national regulations.

### Special labelling of certain mixtures

EUH031 Contact with acids liberates toxic gas.

### 2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

| CAS No    | Chemical name   | Quantity     |                  |            |
|-----------|---|--------------|------------------|------------|
|           | EC No   | Index No     | REACH No         |            |
|           | GHS Classification  |              |                  |            |
| 7681-52-9 | Sodium hypochlorite   |              |                  | 5 - < 10 % |
|           | 231-668-3   | 017-011-00-1 | 01-2119488154-34 |            |
|           | Met. Corr. 1, Skin Corr. 1B, Eye Dam. 1, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H290<br>H314 H318 H335 H400 H410 EUH031 |              |                  |            |

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

| CAS No    | EC No  | Chemical name       | Quantity   |  |
|-----------|--|---------------------|------------|--|
|           | Specific Conc. Limits, M-factors and ATE   |                     |            |  |
| 7681-52-9 | 231-668-3  | Sodium hypochlorite | 5 - < 10 % |  |
|           | dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg M akut; H400: M=10<br>M chron.; H410: M=1 EUH; EUH031: >= 5 - 100 |                     |            |  |

#### Labelling for contents according to Regulation (EC) No 648/2004

5 % - < 15 % chlorine-based bleaching agents.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### After inhalation

Provide fresh air.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

Take off contaminated clothing and wash it before reuse.

#### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

#### After ingestion

Rinse mouth immediately and drink plenty of water.

Do NOT induce vomiting.

### 4.2. Most important symptoms and effects, both acute and delayed

No information available.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Water spray jet  
alcohol resistant foam  
Carbon dioxide  
Extinguishing powder

##### Unsuitable extinguishing media

Full water jet

#### 5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:  
Carbon dioxide  
Carbon monoxide

#### 5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.

#### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### General measures

Use personal protection equipment.  
Avoid contact with skin, eyes and clothes.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.  
Do not allow to enter into soil/subsoil.

#### 6.3. Methods and material for containment and cleaning up

##### Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).  
Treat the recovered material as prescribed in the section on waste disposal.

#### 6.4. Reference to other sections

Personal protection equipment: see section 8  
Disposal: see section 13

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

Avoid contact with skin, eyes and clothes.  
Do not mix with other chemicals.  
Use personal protection equipment.  
When using do not eat, drink or smoke.

##### Advice on protection against fire and explosion

No special fire protection measures are necessary.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Keep container tightly closed.

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### Hints on joint storage

No special measures are necessary.

### 7.3. Specific end use(s)

There are no data available on the mixture itself.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### Protective and hygiene measures

Take off contaminated clothing.

Wash hands before breaks and after work.

When using do not eat, drink or smoke.

#### Eye/face protection

Wear eye/face protection. (EN 166)

#### Hand protection

Wear suitable gloves. (EN 374, Breakthrough time: >10 min.)

Suitable material: NBR (Nitrile rubber).

Thickness of the glove material  $\geq 0,1$  mm

A survey of suitable brands with detailed information on breakthrough times is available upon request.

Diluted ready-to-use solutions  $\leq 1\%$ :

Protective gloves may be waived, if equivalent measures allowing for an increased skin stress because of wet work are implemented (e. g. application of suitable skin protecting creams).

#### Skin protection

Wear suitable work clothing.

#### Respiratory protection

Usually no personal respirative protection necessary.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                 |                |
|-----------------|----------------|
| Physical state: | Liquid         |
| Colour:         | yellow         |
| Odour:          | characteristic |

#### Test method

pH-Value (at 20 °C): approx. 11

#### Changes in the physical state

Melting point: approx. -20 °C

Boiling point or initial boiling point and boiling range: approx. 100 °C

Flash point: not applicable

#### Flammability

Solid/liquid: not applicable

Gas: not applicable

Lower explosion limits: not determined

Upper explosion limits: not determined

#### Self-ignition temperature

Solid: not applicable

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Gas: not applicable

Decomposition temperature: not determined

### Oxidizing properties

Not oxidising.

Vapour pressure: not determined

Density (at 25 °C): 1,09 g/cm<sup>3</sup>

Water solubility: completely miscible

### Solubility in other solvents

not determined

Partition coefficient n-octanol/water: not determined

Viscosity / dynamic:  
(at 25 °C) < 10 mPa·s (50 1/s)

Relative vapour density: not determined

Evaporation rate: not determined

### 9.2. Other information

Solid content: not determined

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Contact with acids liberates toxic gas.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

Contact with acids liberates toxic gas.

### 10.4. Conditions to avoid

The product is stable under storage at normal ambient temperatures.

### 10.5. Incompatible materials

Acid

### 10.6. Hazardous decomposition products

Chlorine (Cl<sub>2</sub>)

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Based on available data, the classification criteria are not met.

| CAS No    | Chemical name       |                     |         |        |        |
|-----------|---------------------|---------------------|---------|--------|--------|
|           | Exposure route      | Dose                | Species | Source | Method |
| 7681-52-9 | Sodium hypochlorite |                     |         |        |        |
|           | oral                | LD50<br>mg/kg >2000 | Rat     | ATE    |        |
|           | dermal              | LD50<br>mg/kg >2000 | Rat     | ATE    |        |

#### Irritation and corrosivity

Causes severe skin burns and eye damage.

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### Sensitising effects

Based on available data, the classification criteria are not met.

### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

### STOT-single exposure

Based on available data, the classification criteria are not met.

### STOT-repeated exposure

Based on available data, the classification criteria are not met.

### Aspiration hazard

Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

| CAS No    | Chemical name            |              |           |         |        |        |
|-----------|--------------------------|--------------|-----------|---------|--------|--------|
|           | Aquatic toxicity         | Dose         | [h]   [d] | Species | Source | Method |
| 7681-52-9 | Sodium hypochlorite      |              |           |         |        |        |
|           | Acute fish toxicity      | LC50<br>mg/l | 0,18      | 96 h    |        | GESTIS |
|           | Acute algae toxicity     | ErC50        | 46 mg/l   | 96 h    |        | GESTIS |
|           | Acute crustacea toxicity | EC50<br>mg/l | 1,57      | 48 h    |        | GESTIS |

### 12.2. Persistence and degradability

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

### 12.4. Mobility in soil

The product has not been tested.

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.7. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Dispose of waste according to applicable legislation.

Delivery to an approved waste disposal company.

#### List of Wastes Code - residues/unused products

060799 WASTES FROM INORGANIC CHEMICAL PROCESSES; wastes from the MFSU of halogens and halogen chemical processes; wastes not otherwise specified

#### List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

#### Contaminated packaging

Non-contaminated packages may be recycled.

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### SECTION 14: Transport information

#### Land transport (ADR/RID)

|                                   |                       |
|-----------------------------------|-----------------------|
| 14.1. UN number:                  | UN 1791               |
| 14.2. UN proper shipping name:    | HYPOCHLORITE SOLUTION |
| 14.3. Transport hazard class(es): | 8                     |
| 14.4. Packing group:              | III                   |
| Hazard label:                     | 8                     |
| Classification code:              | C9                    |
| Special Provisions:               | 521                   |
| Limited quantity:                 | 5 L                   |
| Excepted quantity:                | E1                    |
| Transport category:               | 3                     |
| Hazard No:                        | 80                    |
| Tunnel restriction code:          | E                     |

#### Inland waterways transport (ADN)

|                                   |                       |
|-----------------------------------|-----------------------|
| 14.1. UN number:                  | UN 1791               |
| 14.2. UN proper shipping name:    | HYPOCHLORITE SOLUTION |
| 14.3. Transport hazard class(es): | 8                     |
| 14.4. Packing group:              | III                   |
| Hazard label:                     | 8                     |
| Classification code:              | C9                    |
| Special Provisions:               | 521                   |
| Limited quantity:                 | 5 L                   |
| Excepted quantity:                | E1                    |

#### Marine transport (IMDG)

|                                   |                       |
|-----------------------------------|-----------------------|
| 14.1. UN number:                  | UN 1791               |
| 14.2. UN proper shipping name:    | HYPOCHLORITE SOLUTION |
| 14.3. Transport hazard class(es): | 8                     |
| 14.4. Packing group:              | III                   |
| Hazard label:                     | 8                     |
| Marine pollutant:                 | P                     |
| Special Provisions:               | 223                   |
| Limited quantity:                 | 5 L                   |
| Excepted quantity:                | E1                    |
| EmS:                              | F-A, S-B              |

#### Air transport (ICAO-TI/IATA-DGR)

|  |                       |
|--|-----------------------|
| 14.1. UN number:                       | UN 1791               |
| 14.2. UN proper shipping name:         | HYPOCHLORITE SOLUTION |
| 14.3. Transport hazard class(es):      | 8                     |
| 14.4. Packing group:                   | III                   |
| Hazard label:                          | 8                     |
| Special Provisions:                    | A3 A803               |
| Limited quantity Passenger:            | 1 L                   |
| Passenger LQ:                          | Y841                  |
| Excepted quantity:                     | E1                    |
| IATA-packing instructions - Passenger: | 852                   |
| IATA-max. quantity - Passenger:        | 5 L                   |
| IATA-packing instructions - Cargo:     | 856                   |

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IATA-max. quantity - Cargo:

60 L

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes

### 14.6. Special precautions for user

No special measures are necessary.

### 14.7. Maritime transport in bulk according to IMO instruments

not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3

2010/75/EU (VOC): < 30%

#### National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Changes

This data sheet contains changes from the previous version in section(s): 1,2,4,5,6,7,8,9,10,12,13,16.

### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12:

PROC 1: Use in closed processes.

PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC 4: Chemical production where opportunity for exposure arises

PROC 7: Industrial spraying

PROC 8 (Transfer): Dilution of concentrated products, application of drain cleaners, dosage of textile washing agents.

PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC 10 (Roller application or brushing): Processing without large-scale spraying.

PROC 11 (Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).

PROC 13: Treatment of articles by dipping and pouring

PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection



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### Relevant H and EUH statements (number and full text)

|        |   |
|--------|---|
| H290   | May be corrosive to metals.                           |
| H314   | Causes severe skin burns and eye damage.              |
| H318   | Causes serious eye damage.                            |
| H335   | May cause respiratory irritation.                     |
| H400   | Very toxic to aquatic life.                           |
| H410   | Very toxic to aquatic life with long lasting effects. |
| H411   | Toxic to aquatic life with long lasting effects.      |
| EUH031 | Contact with acids liberates toxic gas.               |

### Further Information

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]: 9 (1)

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*