

**Material Safety data sheet**  
**According to 1907/2006/EC, Article 31**  
**modification (EC) no. 453/2010**

**Printing date: 29-07-2019**

**Revision date: 18-11-2019**

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

**1.1 Product identifier**

**Trade name: Sodiumhypochlorite Solution 3% Gebufferd**

**Article number: P50020**

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

**Application of the substance/ the preparation: Professional use**

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:**

Denteck B.V.

Heliumstraat 8

2718 SL Zoetermeer

T. +31-(0)79-3617573

@ info@denteck.nl

W [www.denteck.nl](http://www.denteck.nl)

**Further information obtainable from: Denteck B.V.**

**1.4 Emergency Telephone number:**

Phone: +31 30 274 88 88, National Poisoning Information Center (only to inform doctors in case of accidental poisoning)

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**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) nr. 1272/2008**



GHS05 Corrosion

Eye Dam. 1 H318 Causes serious eye damage.

Skin Irrit. 2 H315 Causes skin irritation.

**Information concerning particular hazards for human and environment:**

The product has to be labelled according to the calculation procedure of the “General Classification guideline of preparations of the EU” in the latest valid version.

**Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**2.2 Label elements**

**Labelling according to Regulation (EC) no. 1272/2008**

The product is classified and labelled according to the CLP regulation .

**Hazard pictograms**



**GHS05**

**Signal word:** Danger.

**Hazard statements** H315 Causes skin irritation.  
H318 Causes serious eye damage.

**Precautionary statements:** P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P362 Take off contaminated clothing and wash before reuse.  
P332+ P313 If skin irritation occurs: Get medical advice/attention.  
P501 Dispose of contents/container according the lokal/ regional/ national/ international regulations.

**2.3 Other hazards**

No further relevant information available.

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

Inapplicable.

**3.2 Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

<b>Dangerous components:</b>		
CAS: 7681-52-9 EINECS: 231-668-3 Reg.no.: 01-2119488154-34	Sodium hypochlorite, solution  Skin corr. 1B, H314;  Aquatic Acute 1, H400	0,5-10%

**Additional information:**

For possible hazards please refer to section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Generally the product does not irritate the skin.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:** If symptoms persist consult doctor.

**4.2 Most important symptoms and effects, both acute and delayed:** No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**5.2 Special hazards arising from the substance or mixture:**

No further relevant information available.

**5.3 Advice for firefighters**

**Protective equipment:** No special measures required.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

Not required.

**6.2 Environmental precautions:** Dilute with plenty of water. Do not allow to enter sewers/surface or ground water.

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

**6.4 Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling:**

No special precautions are necessary if used correctly.

**Information about fire- and explosion protection:** No special measures required.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage:**

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

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** None.

**7.3 Specific end use(s):** No further relevant information available.

## **SECTION 8: Exposure controls/personal protection**

**Additional information about design of technical facilities:** No further data; see item 7.

### **8.1 Control parameters**

#### **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** The lists valid during the making were used as basis.

### **8.2 Exposure controls:**

#### **Personal protective equipment:**

**General protective and hygienic measures:** Wash hands before breaks and at the end of work.

**Respiratory protection:** Not required.

#### **Protection of hands:**

The gloves material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

#### **Material of gloves:**

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 break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Goggles recommended during refilling.



## **SECTION 9: Physical and chemical properties**

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

#### **General Information**

Appearance:

Physical state at 20 °C:	Liquid
Color:	Colourless till light yellow liquid
Odor:	Irritating (chlorine-like)
Odor threshold:	Not determined
pH:	> 11
State change	
Boiling point	Undetermined
Flash point:	Not determined
Fammability (solid, gas):	Not determined
Ignition temperature:	Not determined
Decomposition temperature:	Not determined
Self-ignition:	Product is not self igniting

Danger of explosion:	Product does not present an explosion hazard.
Explosion limits	
Bottom:	Not determined
Upper:	Not determined
Vapor pressure :	23 hPa
Density:	1,052 g/cm <sup>3</sup>
Relative density:	Not determined
Vapor density:	Not determined
Evaporation rate:	Not determined
Solubility:	Fully miscible
Partition coefficient (n-octanol/water):	Not determined
Viscosity:	Not determined

**9.2 Other information** No further relevant information available.

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

### **10.2 Chemical stability**

**Thermal decomposition/ conditions to be avoided:** No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions:** No dangerous reactions known.

**10.4 Conditions to avoid:** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects**

**Acute toxicity:**

**Primary irritant effect:**

**On the skin:** Irritant to skin and mucous membranes.

**On the eye:** Irritating effect.

**Sensitization:** No sensitizing effects known.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability:** No further relevant information available.

**12.3 Bioaccumulative potential:** No further relevant information available.

**12.4 Mobility in soil:** No further relevant information available.

**Additional ecological information:**

**General notes:**

Water hazard class 1 (German Regulation) (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.

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects:** No further relevant information available.

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

**Recommendation:**

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**SECTION 14: Transport information****14.1 UN number**

ADR, IMDG, IATA Void

**14.2 UN proper shipping name**

ADR, IMDG, IATA Void

**14.3 Transport hazard class(es)**

ADR, IMDG, IATA

Class

Void

**14.4 Packing group**

ADR, IMDG, IATA

Void

**14.5 Environmental hazards**

Marine pollutant

No

**14.6 Special precautions for user**

Not applicable

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code**

Not applicable

UN "Model regulation"

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**SECTION 15: Regulatory information**

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Statement of changes:**

1.1	changed
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**Relevant phrases**

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

**Abbreviations:**

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.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

