

Trade name: Natrii hypochlorosi solut chir sext

Substance number: 216301

Version: 3 / CH

Date revised: 04.01.2017

Replaces Version: 2 / CH

Print date: 04.01.17

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

### **1.1. Product identifier**

Natrii hypochlorosi solut chir sext  
Item No. 21630100

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

#### **Address**

Hänseler AG  
Industriestrasse 35  
9101 Herisau  
Telephone no. 0041 (0)71 353 58 58  
E-mail address of person responsible for this SDS sdb@haenseler.ch

### **1.4. Emergency telephone number**

Switzerland :145 / Abroad +41 (0)44 251 51 51

## **SECTION 2: Hazards identification \*\*\***

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

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

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

Skin Irrit. 2	H315
Eye Dam. 1	H318
Aquatic Acute 1	H400

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008  
For explanation of abbreviations see section 16.

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

#### **Hazard pictograms \*\*\***



#### **Signal word \*\*\***

Danger

#### **Hazard statements \*\*\***

H315	Causes skin irritation.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.

#### **Precautionary statements \*\*\***

P264.1	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
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.
P310	Immediately call a POISON CENTER or doctor.

Trade name: Natrii hypochlorosi solut chir sext

Substance number: 216301

Version: 3 / CH

Date revised: 04.01.2017

Replaces Version: 2 / CH

Print date: 04.01.17

P501.3 Disposal in compliance with local and national regulations.

**Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)**

contains Sodium hypochlorite

**SECTION 3: Composition/information on ingredients \*\*\*****Hazardous ingredients (Regulation (EC) No. 1272/2008) \*\*\*****Sodium hypochlorite**

CAS No.	7681-52-9				
EINECS no.	231-668-3				
Concentration	>= 3	<	5		%
Classification (Regulation (EC) No. 1272/2008)	Skin Corr. 1B		H314		
	Aquatic Acute 1		H400		

Concentration limits (Regulation (EC) No. 1272/2008)

EUH03 >= 5 M = 10  
1

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note B  
DSD Directive 67/548/EEC, Annex I, Note B**Further ingredients \*\*\*****Water**

CAS No.	7732-18-5				
EINECS no.	231-791-2				
Concentration		>=	50		%
Advice: [4]					

**Advice:**

[4] Voluntary information

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated, soaked clothing immediately and dispose of safely.

**After inhalation**

Ensure supply of fresh air. Summon a doctor immediately. If the patient is likely to become unconscious, place and transport in stable sideways position.

**After skin contact**

Wash off immediately with soap and water and rinse well. Remove contaminated, soaked clothing immediately and dispose of safely. Take medical treatment.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). Take medical treatment.

**After ingestion**

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

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

Trade name: Natrii hypochlorosi solut chir sext

Substance number: 216301

Version: 3 / CH

Date revised: 04.01.2017

Replaces Version: 2 / CH

Print date: 04.01.17

**Suitable extinguishing media**

Extinguishing measures to suit surroundings

**5.2. Special hazards arising from the substance or mixture**Development of toxic gases; Chlorine (Cl<sub>2</sub>)**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Respiratory protection. Wear protective equipment. Keep away unprotected persons.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

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

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder). Send in suitable containers for recovery or disposal. Clean up affected area.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

No special requirements. Provide good ventilation of working area (local exhaust ventilation if necessary). Handle and open container with care.

**Advice on protection against fire and explosion**

The product is not combustible.

**7.2. Conditions for safe storage, including any incompatibilities****Recommended storage temperature**

Value &lt; 15 °C

**Requirements for storage rooms and vessels**

Only use containers that are approved specifically for the substance/product.

**Hints on storage assembly**

Do not store with acids.

**Further information on storage conditions**

Protect from heat and direct sunlight. Protect from light.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Other information**

There is not known any national exposure limit.

**8.2. Exposure controls****General protective and hygiene measures**

General industrial hygiene practice. Avoid contact with skin and eyes. Remove contaminated, soaked clothing immediately and dispose of safely. Do not inhale gases/vapours/aerosols. Keep away from food-stuffs, beverages and feed-stocks.

Trade name: Natrii hypochlorosi solut chir sext

Substance number: 216301

Version: 3 / CH

Date revised: 04.01.2017

Replaces Version: 2 / CH

Print date: 04.01.17

**Respiratory protection**

necessary; Do not breathe vapours, dust or aerosol. Provide adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

**Hand protection**

Gloves (alkali-resistant)

Appropriate Material	Natural Latex
Appropriate Material	nitrile rubber - NBR
Appropriate Material	PVC
Appropriate Material	Butyl rubber

**Eye protection**

Tightly fitting safety glasses

**Body protection**

Protective clothing

**SECTION 9: Physical and chemical properties \*\*\*****9.1. Information on basic physical and chemical properties**

<b>Form</b>	liquid, clear
<b>Colour</b>	greenish yellow
<b>Odour</b>	Chlorine.
<b>pH value</b>	
Remarks	not determined
<b>Flash point</b>	
Value	°C
Remarks	Not applicable
<b>Vapour pressure</b>	
Remarks	Not applicable

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Corrosive to metals. Contact with acids liberates toxic gases.

**10.2. Chemical stability**

No decomposition if stored and applied as directed.

**10.3. Possibility of hazardous reactions**

No decomposition if stored and applied as directed.

**10.4. Conditions to avoid**

Heat. Protect from frost. Protect from light.

**10.5. Incompatible materials**

Corrosive to metals. Evolution of chlorine under influence of acids. amines, Reactions with alcohols.  
Organic materials

**10.6. Hazardous decomposition products**

Chlorine

**SECTION 11: Toxicological information \*\*\*****11.1. Information on toxicological effects**

Trade name: Natrii hypochlorosi solut chir sext

Substance number: 216301

Version: 3 / CH

Date revised: 04.01.2017

Replaces Version: 2 / CH

Print date: 04.01.17

**Acute oral toxicity (Components)****Sodium hypochlorite**

Species	mouse		
LD50	5800		mg/kg

**Skin corrosion/irritation \*\*\***

Remarks Corrosive action on the skin and mucous membrane.

**Serious eye damage/irritation \*\*\***

evaluation strongly corrosive

**Sensitization**

Remarks No sensitisation effect known.

**Experience in practice**

After Swallowing: burns in mouth, throat, oesophagus and gastrointestinal tract. Risk of perforation in the oesophagus and stomach.

**SECTION 12: Ecological information \*\*\*****12.1. Toxicity****Fish toxicity (Components)****Sodium hypochlorite**

LC50	0.01	to	0.1	mg/l
Duration of exposure	96	h		

**Daphnia toxicity (Components)****Sodium hypochlorite**

EC50	0.01	to	0.1	mg/l
Duration of exposure	48	h		

**12.2. Persistence and degradability****Biodegradability**

Remarks No data available.

**12.6. Other adverse effects****General information / ecology**

Do not allow it to reach soil, ground water, water bodies or sewage system. Hazard for drinking water supplies. Neutralization is normally necessary before waste water is discharged into water treatment plants.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

**Disposal recommendations for packaging**

Dispose of as unused product.

**SECTION 14: Transport information****Land transport ADR/RID****14.1. UN number**

UN 1791

**14.2. UN proper shipping name**

Trade name: Natrii hypochlorosi solut chir sext

Substance number: 216301

Version: 3 / CH

Date revised: 04.01.2017

Replaces Version: 2 / CH

Print date: 04.01.17

## HYPOCHLORITE SOLUTION

**14.3. Transport hazard class(es)**

Class	8
Label	8

**14.4. Packing group**

Packing group	III
Limited Quantity	5 I
Transport category	3
Tunnel restriction code	E

**Marine transport IMDG/GGVSee****14.1. UN number**

UN 1791

**14.2. UN proper shipping name**

HYPOCHLORITE SOLUTION

**14.3. Transport hazard class(es)**

Class	8
-------	---

**14.4. Packing group**

Packing group	III
---------------	-----

**Air transport ICAO/IATA****14.1. UN number**

UN 1791

**14.2. UN proper shipping name**

HYPOCHLORITE SOLUTION

**14.3. Transport hazard class(es)**

Class	8
-------	---

**14.4. Packing group**

Packing group	III
---------------	-----

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany)**

Water Hazard Class (Germany)	WGK 2
---------------------------------	-------

Remarks	Classification according to Annex 4 VwVwS
---------	---

**SECTION 16: Other information****Hazard statements listed in Chapter 3**

H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.

**CLP categories listed in Chapter 3**

Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Skin Corr. 1B	Skin corrosion, Category 1B

**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.