

Safety Data Sheet acc. to OSHA HCS

Printing date 04/10/2019

Reviewed on 04/10/2019

1 Identification

- **Product identifier**
- **Trade name: Viva Chlor x**
- **Application of the substance / the mixture**
Laundry
Bleaching agent
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SEITZ GmbH
Gutenbergstrasse 1 - 3
65830 Kriftel / Germany
Tel. + 49(0) 6192-9948-0
Fax + 49(0) 6192-9948-99
order@seitz24.com
www.seitz24.com
- **Information department:**
CHEM-TEL Inc.
1305 North Florida Ave
Tampa Florida 33602
- **Emergency telephone number:** 1-800-255-3924 (24-hour Service)

2 Hazard(s) identification

- **Classification of the substance or mixture**
Skin Corr. 1C H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.
- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard-determining components of labeling:**
sodium hypochlorite
- **Hazard statements**
H314 Causes severe skin burns and eye damage.
- **Precautionary statements**
P260 Do not breathe mist/vapours/spray.
P264 Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 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.
 P363 Wash contaminated clothing before reuse.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **CAS-No. Components:**

CAS: 7681-52-9	sodium hypochlorite	12.5%
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· **Additional information**

The specific chemical identity and/ or exact percentage of the composition is being withheld as a trade secret.
 For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

· **Description of first aid measures**

· **General information**

Remove casualties from exposure.
 Keep unprotected persons away.
 Immediately remove any clothing soiled by the product.

· **After inhalation**

Supply fresh air.
 Seek medical treatment in case of complaints.

· **After skin contact**

Immediately rinse with water.
 Call a doctor immediately.

· **After eye contact**

Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing**

Rinse out mouth and then drink plenty of water.
 Do not induce vomiting; immediately call for medical help.

· **Information for doctor**

· **Most important symptoms and effects, both acute and delayed**

Causes severe skin burns and eye damage.

· **Indication of any immediate medical attention and special treatment needed**

Symptomatic treatment

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5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**
 - Foam
 - Fire-extinguishing powder
 - CO₂
- **For safety reasons unsuitable extinguishing agents** Water with full jet.
- **Special hazards arising from the substance or mixture**
 - During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:**
 - Do not inhale explosion gases or combustion gases.
 - Wear self-contained respiratory protective device.
 - Wear fully protective suit.
- **Additional information**
 - Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
 - Wear protective equipment. Keep unprotected persons away.
 - Ensure adequate ventilation
 - Avoid contact with eyes and skin.
 - Do not breathe gases/ vapours.
- **Environmental precautions:**
 - Do not allow product to reach sewage system or any water course.
 - Do not allow to penetrate the ground/soil.
- **Methods and material for containment and cleaning up:**
 - Absorb with liquid-binding material (sand, diatomite)
 - Send for recovery or disposal in suitable receptacles.
 - Ensure adequate ventilation.
- **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.

7 Handling and storage

- **Handling**
- **Precautions for safe handling**
 - Keep away from heat and direct sunlight.
 - Keep receptacles tightly sealed.
 - Open and handle receptacle with care.
 - Ensure good ventilation/exhaustion at the workplace.
 - Prevent formation of aerosols.
 - Avoid contact with eyes and skin.

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- **Information about protection against explosions and fires:**
No special measures required.
The product is not flammable
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:**
Do not store together with acids.
Store away from reducing agents.
- **Further information about storage conditions:**
Protect from heat and direct sunlight.
Store in cool, dry conditions in well sealed receptacles.
Store receptacle in a well ventilated area.
Protect from frost.
Time of storage: max. 6 month
- **Specific end use(s)** Laundry

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

CAS: 7681-52-9 sodium hypochlorite

WEEL Short-term value: 2 mg/m³

- **Regulatory information WEEL:** Guide to Occupational Exposure Values (AIHA WEELs)
- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures for handling chemicals should be followed.
Do not eat, drink, smoke or sniff while working.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Do not inhale gases / fumes / aerosols.

- **Breathing equipment:**
Use suitable respiratory protective device in case of insufficient ventilation (exceeding the workplace limit values, formation of aerosols).

- **Protection of hands:**
Alkaline resistant gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**
Nitrile rubber, NBR

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Butyl rubber, BR

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.

· **Penetration time of glove material**

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

· **Eye protection:** Tightly sealed goggles.

· **Body protection:** Alkaline resistant protective clothing

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· **Form:** Fluid

· **Color:** Light yellow

· **Odor:** Chlorine-like

· **Odor threshold:** No further relevant information available.

· **pH-value:** 11.5 - 13.5

· **Change in condition**

· **Melting point/Melting range:** -19.44 °C (-3 °F)

· **Boiling point/Boiling range:** 100 °C (212 °F)

· **Flash point:** Not applicable

· **Flammability (solid, gaseous)** No further relevant information available.

· **Ignition temperature:** No further relevant information available.

· **Decomposition temperature:** No further relevant information available.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

· **Lower:** No further relevant information available.

· **Upper:** No further relevant information available.

· **Oxidizing properties** No further relevant information available.

· **Vapor pressure:** No further relevant information available.

· **Density:** 1.2019 g/cm³ (10.02986 lbs/gal)

· **Relative density** No further relevant information available.

· **Vapor density** No further relevant information available.

· **Evaporation rate** No further relevant information available.

· **Solubility in / Miscibility with**

· **Water:** Not determined.

· **Partition coefficient (n-octanol/water):** Not determined.

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- | | |
|---|--|
| <ul style="list-style-type: none"> · Viscosity: <li style="padding-left: 20px;">dynamic: <li style="padding-left: 20px;">kinematic: · Other information | <p>Not determined.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> |
|---|--|

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
Stable under normal ambient conditions.
Danger of decomposition in case of warmth and heat influence.
- **Possibility of hazardous reactions**
Reacts with acids
Reacts with acids releasing chlorine
Reacts with oxidizing agents
Reacts with various metals
- **Conditions to avoid** Protect from heat and direct sunlight.
- **Incompatible materials:**
Acids
Certain metals
Oxidizing agents
- **Hazardous decomposition products:**
Hydrogen chloride (HCl)
Chlorine
Chlorine compounds

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**
- **LD/LC50 values that are relevant for classification:** No further relevant information available.
- **Skin corrosion/irritation** Causes severe skin burns and eye damage.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

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- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **Specific target organ toxicity – single exposure**
Based on available data, the classification criteria are not met.
- **Specific target organ toxicity – repeated exposure**
Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

CAS: 7681-52-9 sodium hypochlorite

LC50 0.038 – 0.065 mg/l (Fish) (96 h; Oncorhynchus tshawytscha)

- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Must not reach bodies of water or drainage ditch undiluted or unneutralized.
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.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Contaminated adsorbent, soil, water must be disposed of in a permitted hazardous waste management facility. Recovered products may be reused, reprocessed or incinerated or must be treated in a permitted hazardous waste management facility. It is your duty to dispose of the chemical materials and/or their containers in accordance with the Clean Air Act, The Clean Water Act, RCRA, as well as applicable Federal, State, and local Regulations regarding disposal.

14 Transport information

- **UN-Number**
- **DOT, ADR, IMDG, IATA** UN1791

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· **UN proper shipping name**
 · **DOT**
 · **ADR**
 · **IMDG**
 · **IATA**

Hypochlorite solutions
 1791 HYPOCHLORITE SOLUTION,
 ENVIRONMENTALLY HAZARDOUS
 HYPOCHLORITE SOLUTION, MARINE
 POLLUTANT
 HYPOCHLORITE SOLUTION

· **Transport hazard class(es)**

· **DOT**



· **Class**
 · **Label**

8 Corrosive substances
 8

· **ADR**



· **Class**
 · **Label**

8 (C9) Corrosive substances
 8

· **IMDG**



· **Class**
 · **Label**

8 Corrosive substances
 8

· **IATA**



· **Class**
 · **Label**

8 Corrosive substances
 8

· **Packing group**

· **DOT, ADR, IMDG, IATA**

III

· **Environmental hazards:**
 · **Marine pollutant:**
 · **Special marking (ADR):**

Product contains environmentally hazardous
 substances: sodium hypochlorite
 Symbol (fish and tree)
 Symbol (fish and tree)

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<ul style="list-style-type: none"> · Special precautions for user · Danger code (Kemler): · EMS Number: · Segregation groups · Stowage Category · Segregation Code 	<p>Warning: Corrosive substances 80 F-A,S-B Hypochlorites B SG20 Stow "away from" acids</p>
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	<p>Not applicable.</p>
<ul style="list-style-type: none"> · Transport/Additional information: 	
<ul style="list-style-type: none"> · ADR · Excepted quantities (EQ) 	<p>Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml</p>
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	<p>1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml</p>
<ul style="list-style-type: none"> · UN "Model Regulation": 	<p>UN 1791 HYPOCHLORITE SOLUTION, 8, III, ENVIRONMENTALLY HAZARDOUS</p>

15 Regulatory information

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

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· **New Jersey Right-to-Know List:**

CAS: 7681-52-9 sodium hypochlorite

· **New Jersey Special Hazardous Substance List:**

CAS: 7681-52-9 sodium hypochlorite

CO

· **Pennsylvania Right-to-Know List:**

CAS: 7681-52-9 sodium hypochlorite

· **Pennsylvania Special Hazardous Substance List:**

CAS: 7681-52-9 sodium hypochlorite

E

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **National regulations**

· **Other regulations, limitations and prohibitive regulations**

· **Please note:**

The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyers responsibility to ensure that its activities comply with Federal, State or provincial, and local laws. The following specific information is made for the purpose of complying with numerous laws and regulations.

· **Other information:** The product has been designed for professional use only.

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.

· **Date of preparation / last revision** 04/10/2019 / -

· **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

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Skin Corr. 1C: Skin corrosion/irritation – Category 1C

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The fresher company.

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Eye Dam. 1: Serious eye damage/eye irritation – Category 1

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· * **Data compared to the previous version altered.**

US