

# SAFETY DATA SHEET

SODIUM HYPOCHLORITE SOLUTION 14/15% CL ACTIVE

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Compilation date: 1/11/2018

Revision No: 2

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

### 1.1. Product identifier

**Product name:** SODIUM HYPOCHLORITE SOLUTION 14/15% CL ACTIVE  
**CAS number:** 7681-52-9  
**EINECS number:** 231-668-3  
**Index number:** 017-011-00-1

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

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

**Company name:** F T G Ltd  
Drum House  
Drum Industrial Estate  
Birtley  
Durham  
DH2 1SR  
**Tel:** 0191 4111777  
**Fax:** 0191 4111888  
**Email:** [Fluidtechnology@btconnect.com](mailto:Fluidtechnology@btconnect.com)

### 1.4. Emergency telephone number

**Emergency tel:** 01914111777

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP:** Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Corr. 1A: H314; -: EUH031

**Most important adverse effects:** Contact with acids liberates toxic gas. Causes severe skin burns and eye damage.  
Causes serious eye irritation. Very toxic to aquatic life.

### 2.2. Label elements

**Label elements:**

**Hazard statements:** EUH031: Contact with acids liberates toxic gas.  
H314: Causes severe skin burns and eye damage.  
H319: Causes serious eye irritation.  
H400: Very toxic to aquatic life.

**Signal words:** Danger

**Hazard pictograms:** GHS05: Corrosion  
GHS09: Environmental



[cont...]

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**Precautionary statements:** P264: Wash thoroughly after handling.  
P273: Avoid release to the environment.  
P280: Wear.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321: Specific treatment (see on this label).  
P337+313: If eye irritation persists: Get medical.

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.1. Substances

**Chemical identity:** SODIUM HYPOCHLORITE SOLUTION 14/15% CL ACTIVE

**CAS number:** 7681-52-9

**EINECS number:** 231-668-3

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash off with water. Contaminated clothes should be laundered before reuse. Seek medical advice if any discomfort persists.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Do not induce vomiting. Wash out mouth with water. Transfer to hospital as soon as possible.

**Inhalation:** Seek medical attention if recovery is not rapid or complete. Move to fresh air in case of accidental inhalation of vapours.

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

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness.

**Ingestion:** There may be soreness and redness of the mouth and throat. Corrosive burns may appear around the lips. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat.

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

**Immediate / special treatment:** Show this safety data sheet to the doctor in attendance.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Water spray. Carbon dioxide. Alcohol resistant foam. Dry chemical powder.

[cont...]

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

**Exposure hazards:** In combustion emits toxic fumes of hydrogen chloride / phosgene.

## 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Absorb into dry earth or sand. Wash the spillage site with large amounts of water.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Ensure there is sufficient ventilation of the area. Do not handle in a confined space.

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

**Storage conditions:** Store in a cool, well ventilated area.

**Suitable packaging:** Do not use steel containers. Do not use aluminium containers.

### 7.3. Specific end use(s)

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Do not breathe vapour, or spray

**Hand protection:** PVC gloves.

**Eye protection:** Safety goggles.

**Skin protection:** Protective clothing.

**Environmental:** Storage should be placed inside a fully bunded area of sufficient size to contain the volume plus 10%.

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## Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Pale yellow

**Odour:** Characteristic odour

**Solubility in water:** Soluble

**Viscosity:** Non-viscous

**Boiling point/range°C:** >35

**Flash point°C:** >93

**Relative density:** 1.2

**pH:** >11.5

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

**Conditions to avoid:** Direct sunlight.

### 10.5. Incompatible materials

**Materials to avoid:** Acids.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes of hydrogen chloride / phosgene.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicity values:

Route	Species	Test	Value	Units
ORL	MUS	LD50	5800	mg/kg

#### Relevant hazards for substance:

Hazard	Route	Basis
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Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

## Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness.

**Ingestion:** There may be soreness and redness of the mouth and throat. Corrosive burns may appear around the lips. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat.

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:** No data available.

### 12.2. Persistence and degradability

**Persistence and degradability:** Only slightly biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Soluble in water.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** Toxic to aquatic organisms.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Do not mix with other chemicals. Store used product in sound plastic containers while awaiting disposal. Keep containers tightly sealed and in a cool dry safe area.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN1791

### 14.2. UN proper shipping name

**Shipping name:** Hypochlorite solution

[cont...]

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## 14.3. Transport hazard class(es)

Transport class: 8

## 14.4. Packing group

Packing group: 11

## 14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: Yes

## 14.6. Special precautions for user

Tunnel code: (E)

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

## Section 16: Other information

### Other information

**Phrases used in s.2 and s.3:** EUH031: Contact with acids liberates toxic gas.

H314: Causes severe skin burns and eye damage.

H319: Causes serious eye irritation.

H400: Very toxic to aquatic life.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.