
SAFETY DATA SHEET

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
- UFI:
- REACH Registration Number : 01-2119488154-34-XXXX

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

- Use of the substance/mixture: Bleaching agent, Textile/laundry bleach, disinfectant

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: H & I Chemicals Ltd
- Address of Supplier: Hesketh House, 5 Ashfield Road, Chorley, Lancashire, PR7 1LH
- Telephone: 01257 261633
- Responsible Person: I. Williamson / S. Williamson
- Email: reach@hichemicals.com

1.4 Emergency telephone number

- Emergency Telephone: 01257 261633 (not 24 hr) : 07971 640358
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Aquatic Acute 1, Skin Corr. 1B, Met. Corr. 1, Eye Dam. 1

2.2 Label elements



- Signal Word: Danger

Hazard statements

- H290 - May be corrosive to metals.
- H314 - Causes severe skin burns and eye damage.
- H400 - Very toxic to aquatic life.
- EUH031 - Contact with acids liberates toxic gas.

Precautionary statements

- P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
- P273 - Avoid release to the environment.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- 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 or doctor/physician.
- P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

2.3 Other hazards

- 2.3.1: Endocrine Disrupting Properties:
- No further relevant information available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Sodium Hypochlorite, Solution 14/15 % Cl Active

CAS Number: 7681-52-9

EC Number:

Specific concentration limit:

SECTION 4: First aid measures

4.1 Description of first aid measures

Contact with eyes

Bathe the eye with running water for 15 minutes
Transfer to hospital for specialist examination

Contact with skin

Remove all contaminated clothes and shoes immediately unless stuck to skin
Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.
Transfer to hospital if there are burns or symptoms of poisoning

Ingestion

DO NOT induce vomiting
Give one cup of water to drink every ten minutes
If unconscious check for breathing and apply artificial respiration if necessary
If unconscious and breathing is ok, place in recovery position.
Transfer to hospital as soon as possible

Inhalation

Remove patient to fresh air ensuring your own safety whilst doing so
If unconscious check for breathing and apply artificial respiration if necessary
If unconscious and breathing is ok, place in recovery position.
If conscious, ensure the casualty sits or lies down
If breathing becomes bubbly have the casualty sit and provide oxygen if available
Transfer to hospital as soon as possible

4.2 Most important symptoms and effects, both acute and delayed

- Skin contact : There may be irritation and redness at the site of contact. Severe burns may occur
- Eye contact: There may be irritation and redness. There may be severe pain. Corneal burns may occur
- Ingestion : There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting. Blood may be vomited
- Inhalation : There may be coughing and a sore throat. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness.
- Immediate effects can be expected after short-term exposure

4.3 Indication of any immediate medical attention and special treatment needed

- Eye bathing equipment should be available on the premises
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SECTION 5: Firefighting measures

5.1 Extinguishing media

SECTION 5: Firefighting measures (....)

- Carbon dioxide
- 5.2 Special hazards arising from the substance or mixture
- Corrosive
 - In combustion emits toxic fumes
- 5.3 Advice for firefighters
- Wear self-contained breathing apparatus
 - Wear protective clothing to prevent contact with skin and eyes
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SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
- Information regarding personal protective measures see, section 8
- 6.2 Environmental precautions
- Do not discharge into drain/surface waters/groundwater.
 - Contain the spillage using bunding
- 6.3 Methods and material for containment and cleaning up
- Transfer to a suitable container
 - Wash down drain with large amounts of water
- 6.4 Reference to other sections
- No further relevant information available.
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SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
- Ensure adequate ventilation
 - Avoid direct contact with the substance
- 7.2 Conditions for safe storage, including any incompatibilities
- Store in a cool well-ventilated place
 - P233 - Keep container tightly closed.
- 7.3 Specific end use(s)
- See Section 1.2
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SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters
- None established
- 8.2 Exposure controls
- Handle in accordance with good industrial hygiene and safety practice.
 - Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines
 - If ventilation is insufficient wear dust mask or chemical respirator whichever is appropriate



- Wear chemical resistant gloves
- Wear tightly fitting safety goggles/ faceshield.
- Wear suitable protective clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state: liquid
- Colour: yellow-green
- Odour: Characteristic odour
- Melting point/Range: -25 °C
- Boiling Point/Range: 110 °C
- Flammability: Non-flammable
- Explosive Properties: Non-explosive
- Flash point Not applicable °C
- Auto-ignition point Not applicable °C
- Decomposition temperature (°C) Not applicable
- pH: 12.4
- Kinematic Viscosity: Non-Viscous
- Solubility in water: Soluble
- Partition Coefficient (n-Octanol/Water): not applicable
- Vapour Pressure: 17.5 mm at 20 deg C
- Density: 1.26
- Vapour Density: not applicable
- Particle characteristics: Not applicable

9.2 Other information

- No further relevant information available.
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SECTION 10: Stability and reactivity

10.1 Reactivity

- Stable under normal conditions

10.2 Chemical stability

- Stable under normal conditions

10.3 Possibility of hazardous reactions

- Hazardous reactions will not occur under normal transport or storage conditions.
- Decomposition may occur on exposure to conditions or materials listed below

10.4 Conditions to avoid

- Heat
- Direct sunlight

10.5 Incompatible materials

- Reducing agents
- Strong acids
- Strong bases
- Strong Oxidizing Agents

10.6 Hazardous decomposition products

- In combustion emits toxic fumes
 - Contact with acids liberates toxic gas
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SECTION 11: Toxicological information

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

Acute toxicity

SECTION 11: Toxicological information (....)

LD₅₀ (oral, mouse): 5800 mg/kg

LD₅₀ (oral, rat): 1100 mg/kg

Skin corrosion/irritation

There may be irritation and redness at the site of contact
Severe burns may occur

Serious eye damage/irritation

There may be irritation and redness
There may be severe pain
Corneal burns may occur

Respiratory or skin sensitisation

There may be coughing and a sore throat
There may be congestion of the lungs causing severe shortness of breath.
There may be loss of consciousness

Germ cell mutagenicity

Not Classified

Carcinogenicity

Not Classified

Reproductive toxicity

Not Classified

STOT (specific target organ toxicity) - single exposure

Not Classified

STOT (specific target organ toxicity) - repeated exposure

Not Classified

Aspiration hazard

Not Classified

11.2 Information on other hazards

- Immediate effects can be expected after short-term exposure
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SECTION 12: Ecological information

12.1 Toxicity

- LC₅₀ (fish): 0.06 mg/l (96 hr)

12.2 Persistence and degradability

- Biodegradable

12.3 Bioaccumulative potential

- Not bioaccumulative

12.4 Mobility in soil

- Readily absorbed into soil
- Soluble in water

12.5 Results of PBT and vPvB assessment

- Not Classified as PBT/vPvB by current EU criteria.

12.6 Endocrine disrupting properties

SECTION 12: Ecological information (....)

- No further relevant information available.
- 12.7 Other adverse effects
- Very toxic to aquatic organisms
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SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Dispose of the product, packaging and any residuals in compliance with local and national regulations
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SECTION 14: Transport information

- 14.1 UN number or ID number
- UN No.: 1791
- 14.2 UN proper shipping name
- Proper Shipping Name: HYPOCHLORITE SOLUTION
- 14.3 Transport hazard class(es)
- Hazard Class: 8
- 14.4 Packing group
- Packing Group: II
- 14.5 Environmental hazards
- Environmental hazards: Yes
 - Marine pollutant: No
- 14.6 Special precautions for user
- Tunnel Restriction Code E
- 14.7 Maritime transport in bulk according to IMO instruments
- Not applicable
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SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- 15.2 Chemical safety assessment
- Chemical safety assessment has been carried out
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SECTION 16: Other information

--- end of safety datasheet ---
