

# SAFETY DATA SHEET

according to Regulation (EU) 2015/830

## Sodium Hypochlorite Solution

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

#### 1.1. Product identifier

<b>Product name</b>	Sodium Hypochlorite Solution
<b>Product code</b>	QAFS017

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

<b>Product Use</b>	[SU21] Consumer uses: Private households (= general public = consumers); ----- [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen);
<b>Description</b>	No data is available on this product.

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

<b>Company Address</b>	Pakex (UK) Plc, No 1, Prime Point, Bessemer Road, Welwyn Garden City, Herts, AL7 1FE
<b>Web</b>	<a href="http://www.pakexuk.com">www.pakexuk.com</a>
<b>Telephone</b>	Tel: 01707 384858
<b>Fax</b>	Fax: 01707 332838
<b>Email</b>	sales@pakexuk.com

#### 1.4. Emergency telephone number


<b>Emergency telephone number</b>	01707 384858 8.30am to 17.00pm
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### SECTION 2: Hazards identification

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

<b>2.1.2. Classification - EC 1272/2008</b>	Skin Corr. 1B: H314; STOT SE 3: H335; Aquatic Acute 1: H400;
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#### 2.2. Label elements

<b>Hazard pictograms</b>	
<b>Signal Word</b>	<b>Danger</b>
<b>Hazard Statement</b>	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. STOT SE 3: H335 - May cause respiratory irritation. Aquatic Acute 1: H400 - Very toxic to aquatic life.

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## 2.2. Label elements

Precautionary Statement: Prevention	P102 - Keep out of reach of children. P103 - Read label before use. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash hands and other contacted skin thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	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. 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/ . P312 - Call a POISON CENTER/doctor/ /if you feel unwell. P363 - Wash contaminated clothing before reuse. P391 - Collect spillage.
Precautionary Statement: Storage	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to an approved waste contractor.
SUPPLEMENTAL HAZARD INFORMATION	EUH031 - Contact with acids liberates toxic gas.

## 2.3. Other hazards

Other hazards	PBT not identified as a PBT substance.
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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc.Classification (%w/w)	M-factor.
Sodium Hypochlorite >10%		7681-52-9	231-668-3	01-2119488154-34	30 - 40% EUH031; Met. Corr. 1: H290; Skin Corr. 1B: H314; STOT SE 3: H335; Aquatic Acute 1: H400;	

#### Further information

Product Shelf Life	Shelf life 6 months from date of delivery.
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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed.
Skin contact	Remove contaminated clothing. Wash off immediately with plenty of soap and water.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Drink plenty of water to dilute ingested product.

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

Inhalation	Causes burns.
Eye contact	Causes burns. Risk of serious damage to eyes.
Skin contact	Causes burns.
Ingestion	Causes burns.

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

Inhalation	Move the exposed person to fresh air. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Seek medical attention. Show this safety data sheet to the doctor in attendance.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed. Seek medical attention. Show this safety data sheet to the doctor in attendance.
Skin contact	Remove contaminated clothing immediately. Rinse immediately with plenty of water. Seek medical attention. Show this safety data sheet to the doctor in attendance.
Ingestion	Drink 1 to 2 glasses of water. Seek medical attention. Show this safety data sheet to the doctor in attendance.

## General information

	If you feel unwell, seek medical advice (show the label where possible). Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	This product is not flammable . Use fire-extinguishing media appropriate for surrounding materials.
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### 5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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### 5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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## Further information

	In the event of a fire and/or explosion do not breath fumes. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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## SECTION 6: Accidental release measures

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

	Wear suitable protective equipment.
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### 6.2. Environmental precautions

	Advise local authorities if large spills cannot be contained.
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### 6.3. Methods and material for containment and cleaning up

	For large spills:. Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. For small spills:. Flush down the drain with plenty of water.
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### 6.4. Reference to other sections

	See section 2, 7, 8, 13 for further information.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Do not breathe vapours or spray mist. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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### 7.2. Conditions for safe storage, including any incompatibilities

	Store in a cool, dry area. Keep container tightly closed. Keep out of the reach of children. Store in original container.
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### 7.3. Specific end use(s)

	No data is available on this product.
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## Suitable packaging

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## Suitable packaging

Plastic containers.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Occupational exposure controls.

### 8.2. Exposure controls



Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Use appropriate personal protective equipment. Wear suitable protective clothing and eye/face protection.

Eye / face protection

Avoid contact with eyes. If splashes are likely to occur, wear: safety glasses with side-shields.

Skin protection -  
Handprotection

Rubber gloves.

Respiratory protection

No personal respiratory protective equipment normally required. In case of insufficient ventilation wear suitable respiratory equipment.

8.2.3. Environmental exposure  
controls

Prevent further leakage or spillage if safe to do so.

## SECTION 9: Physical and chemical properties

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

Appearance	Liquid Colour
Colourless	Odour
Characteristic	
Odour threshold	No data available
pH	2.5 - 13.3
Melting point	Not applicable.
Initial boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Fammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	< 20 centipoise
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Soluble in water

### 9.2. Other information

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## 9.2. Other information

Conductivity	No data available
Surface tension	No data available
Specific gravity	1.08 - 1.087 g/cm <sup>3</sup>
Gas group	No data available
Benzene Content	Not applicable.
Lead content	Not applicable.
VOC (Volatile organic compounds)	Not applicable.

## Water solubility

	soluble.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

	Stable under normal conditions. No specific reactivity hazards associated with this product.
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### 10.2. Chemical stability

	Stable under normal conditions. No particular stability concerns.
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### 10.3. Possibility of hazardous reactions

	Strong acids. Strong oxidising agents.
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### 10.4. Conditions to avoid

	Protect from frost.
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### 10.5. Incompatible materials

	No incompatible groups noted.
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### 10.6. Hazardous decomposition products

	No Hazardous decomposition products when stored and handled correctly. Burning produces irritating, toxic and obnoxious fumes.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Skin corrosion/irritation	Causes burns.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitisation	Not anticipated under normal conditions of use. Causes burns.
Repeated or prolonged exposure	Causes burns. Prolonged contact may cause defatting of the skin. Danger of serious damage to health by prolonged exposure.

#### 11.1.2. Mixtures

	No data available.
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#### 11.1.3. Hazard Information

	No data available.
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#### 11.1.4. Toxicological Information

	No data available
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## SECTION 12: Ecological information

### 12.1. Toxicity

	No data available
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### 12.2. Persistence and degradability

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## 12.2. Persistence and degradability

Substance biodegrades at a moderate rate and inherently biodegradable according to the OECD guide lines.

## 12.3. Bioaccumulative potential

No data is available on this product.

## Partition coefficient

Sodium Hypochlorite Solution No data available

## 12.4. Mobility in soil

No data is available on this product.

## 12.5. Results of PBT and vPvB assessment

No data is available on this product.

## 12.6. Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

## General information

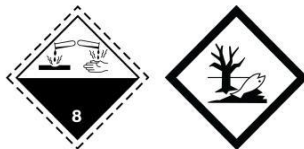
Dispose of in compliance with all local and national requirements.

## Disposal of packaging

Do NOT reuse empty containers. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.

## SECTION 14: Transport information

### Hazard pictograms



### 14.1. UN number

UN1791

### 14.2. UN proper shipping name

HYPOCHLORITE SOLUTION

### 14.3. Transport hazard class(es)

ADR/RID	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

### 14.4. Packing group

Packing group III

### 14.5. Environmental hazards

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## 14.5. Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

## ADR/RID

Hazard ID	80
Tunnel Category	(E)

## IMDG

EmS Code	F-A S-B
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## IATA

Packing Instruction (Cargo)	856
Maximum quantity	60 L
Packing Instruction (Passenger)	852
Maximum quantity	5 L

## SECTION 15: Regulatory information

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

Regulations	<p>REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p>
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### 15.2. Chemical safety assessment

	No information available.
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## SECTION 16: Other information

### Other information

Revision	This document differs from the previous version in the following areas:. 2 - Hazard pictograms. 3 - Product Shelf Life.
Text of Hazard Statements in Section 3	EUH031 - Contact with acids liberates toxic gas. Met. Corr. 1: H290 - May be corrosive to metals. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. STOT SE 3: H335 - May cause respiratory irritation. Aquatic Acute 1: H400 - Very toxic to aquatic life.

### Further information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
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