

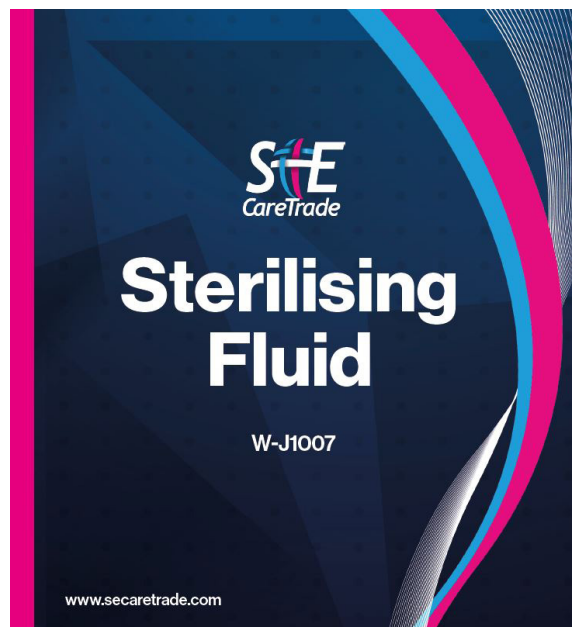
Product Information

W-J1007 **S&E Sterilising Fluid**

Non-tainting cleaning agent

S&E Sterilising Fluid is a stable solution of sodium hypochlorite which completely destroys all viable micro-organisms including spores. It is both non-toxic and non-tainting.

- Non-toxic, safe and versatile
- Breaks down proteins effectively
- Surfactants used are biodegradable and phosphate-free



SPECIFICATION

Appearance:	Clear, non-viscous liquid
pH:	14
Odour:	Characteristic / chlorinated
Specific Gravity (20°C):	1.164 +/- 0.003
Flammability:	Non-flammable

DIRECTIONS FOR USE:

Kitchen Hygiene

Make a fresh solution daily 15ml to 2.5L water to disinfect non-metallic work surfaces, cupboards, shelves, cookers, chopping boards, plastic utensils, fridges and freezers i.e. 1:160.

Hygienic Cleaning of Fruit & Vegetables

Rinse fruit/vegetables to remove dirt/debri. Dose 50ml in 10L cold water (i.e. 1:200).

Immerse vegetables/fruit in solution for 5 minutes. Rinse thoroughly.

STORAGE:

Store in original container and protect from extreme temperatures. Do not store in direct sunlight nor allow the product to freeze. Shelf-life (in unopened original container) is a minimum of 18 months.

SAFETY ADVICE:

Under the new GHS Standard this product is classified as Corrosive to eyes. Please refer to section 2.2 of the Safety Data Sheet for more information.

W-J1007
S&E Sterilising Fluid

Section 1: Identification of the substance/preparation and of the company/undertaking

1.1 Product Identifier

Product Name: S&E Sterilising Fluid
Product No. W-J1840

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

Identified uses: Cleaning agent
Uses advised against: any other purpose.

1.3 Details of the supplier of the safety data sheet

Supplier: S&E CareTrade
Elmfield House
Rathenraw Industrial Estate
Greystone Road
Antrim
BT41 2SJ
Tel: 028 9446 2233 / Emergency Tel: 07788 309810 (out of hours)
Email: msds@secaretrade.com

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical & chemical hazards: Not classified
Human health: Skin Corr. 1C - H314, Eye Dam. 1 - H318
Environment: Not classified

2.2 Label elements

Contains: Sodium Hypochlorite Solution
sodium hydroxide

**Label in accordance with (EC)
no. 1272/2008**



Signal word: Danger
Hazard statements: H314 causes severe skin burns and eye damage

Safety Data Sheet (cont.)

Precautionary statements: **Prevention**
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response
P301 + P330 + P331
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/ 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 CENTRE or doctor/physician.

2.3 Other hazards: None known.

Section 3: Composition/identification of ingredients

3.1 Substance

Not applicable.

3.2 Mixtures

Name	Product identifier	Reg. EU 1272/2008	%
Sodium Hypochlorite Solution	CAS-No.: 7681-52-9 EC No.: 231-668-3 REACH Reg No.: 1-2119488154-34-xxxx	Skin Corr. 1B - H314, Eye Dam. 1 - H318, STOT SE 3 - H335, Me. Corr 1 - H290, Aquatic Acute 1 - H400	1-10%
sodium hydroxide	CAS-No.: 1310-73-2 EC No.: 215-185-5 REACH Reg No.: 01-2119457892-27-0000	Skin Corr. 1A - H314, Eye Dam. 1 - H318, Me. Corr 1 - H290	0.1-0.9%

The full text for all hazard statements are displayed in section 16.

Composition comments: The data shown are in accordance with the latest EC Directives.

Section 4: First aid measures

4.1 Description of first aid measures

General information: Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if symptoms persist, always call a doctor. Seek medical attention for all burns and eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during rescue.

Inhalation: Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

Ingestion: If this product is ingested, remove victim immediately from source of exposure. Rinse mouth thoroughly. Do not induce vomiting. Provide fresh air, warmth and rest. Get medical attention. Never give anything by mouth to an unconscious person.

Safety Data Sheet (cont.)

Skin contact:	Remove victim immediately from source of exposure. Remove contaminated clothing, shoes and jewellery and wash before reuse. Wash the skin immediately with water. Obtain medical attention if irritation persists or if blistering occurs.
Eye contact:	Do not rub eye. If this product contacts the eyes, gently flush eyes with water for at least fifteen (15) minutes, lifting the upper and lower eyelids occasionally. Remove contact lenses if present and easy to do so. Avoid contaminating unaffected eye. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

General information:	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation:	Inhalation of mist or vapour may cause respiratory tract irritation.
Ingestion:	May cause chemical burns in mouth and throat. May cause severe internal injury.
Skin contact:	Causes severe skin burns.
Eye contact:	Extreme irritation of eyes and mucous membranes, including burning and tearing. Corrosive to eyes.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician:	Treat symptomatically.
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Section 5: Fire-fighting measures

5.1 Extinguishing media

Extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
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5.2 Special hazards arising from the substance or mixture

Hazardous combustion products:	When heated, toxic and corrosive vapours/gases may be formed. During fire, toxic gases (CO, CO ₂) are formed.
Unusual fire & explosion hazards:	Flammable hydrogen can form when the product contacts metals.

5.3 Advice for fire-fighters

Special fire-fighting procedures:	If possible, fight fire from protected position. Avoid breathing fire vapours. Ventilate closed spaces before entering them. Containers close to fire should be removed immediately or cooled with water if safe to do so.
Protective equipment for fire-fighters:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Eliminate all sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. In case of inadequate ventilation, use respiratory protection. Do not touch or walk through spilled material. If necessary evacuate surrounding areas.

For emergency responders: Follow safe handling advice and personal protective equipment recommendations for normal use of product.

6.2 Environmental precautions

Environmental precautions: Do not discharge onto the ground or into water courses.
Do not allow ANY environmental contamination.

6.3 Methods and material for containment and cleaning up

Spill clean up methods: Ventilate and evacuate the area. Eliminate all ignition sources. When dealing with a spillage, wear necessary protective equipment. DO NOT touch spilled material! Stop leak if possible without risk Absorb spillage with non-combustible, inert absorbent material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Wash thoroughly after dealing with a spillage.

6.4 Reference to other sections

Reference to other sections: See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handling: Read and follow manufacturer's recommendations. Use proper personal protection when handling (refer to Section 8). Do not handle broken packages without protective equipment. Do not use contact lenses. Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Do not eat, drink or smoke when using the product. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions: Keep upright, locked up and out of reach of children. Keep the product in its original container. Store in cool dry areas away from direct sunlight or sources of ignition. Store separate from other products which react with acids and strong oxidising agents.

Storage class: Corrosive storage.

Safety Data Sheet (cont.)

7.3 Specific end use(s)

Specific end use(s): The identified uses for this product are detailed in Section 1.2.
Usage description: Use only according to directions. Replace and tighten cap after use.

Section 8: Exposure controls/Personal protection

8.1 Control parameters

Component	STD	TWA (8hrs)	STEL (15mins)	Notes
sodium hydroxide	OEL			2 mg/m ³
sodium hydroxide	WEL			2 mg/m ³

Ingredient comments: WEL - Workplace Exposure Limits - EH40/2005 Workplace Exposure Limits.
OEL - Occupational Exposure Limits - Ireland, Occupational Exposure Limits 2016.

8.2 Exposure controls

Protective equipment:



Engineering measures: Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment: If ventilation is inadequate, suitable respiratory protection must be worn. EN136/140/145/143/149. The specific respirator selected must be based on contamination levels found in the work place. Where risk assessment shows air-purifying respirators are appropriate a full face respirator conforming to EN143 should be used, and suitable respirator cartridges as a backup to engineering controls. Consult manufacturer for specific advice.

Hand protection: Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374) is recommended. (EU Directive 89/686/EEC). Gloves must be inspected prior to use. Suggested material: Nitrile rubber. Layer thickness: 0.11mm. Breakthrough time: >480 min. Consult manufacturer for advice. Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Eye protection: Wear safety goggles or face shield to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as EN166(EU).

Other protection: The selected clothing must satisfy the European norm standard EN 943. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Hygiene measures: Observe normal hygiene standards. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke. Wash hands after use.

Process conditions: Ensure that eye flushing systems and safety showers are located close by in the work place.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Liquid.
Colour:	Straw coloured.
Odour:	Odourless.
Odour threshold - lower:	No information available.
Odour threshold - upper:	No information available.
pH-Value, conc. solution:	14.00
pH-Value, diluted solution:	No information available.
Melting point:	No information available.
Initial boiling point and boiling range:	No information available.
Flash point:	No information available.
Evaporation rate:	No information available.
Flammability state:	No information available.
Flammability limit - lower (%):	No information available.
Flammability limit - upper (%):	No information available.
Vapour pressure:	No information available.
Vapour density (air=1):	No information available.
Relative density:	1.164g/cm ³ @ 20.00 °C
Bulk density:	No information available.
Solubility:	No information available.
Decomposition temperature:	No information available.
Partition coefficient; n- Octanol/Water:	No information available.
Auto ignition temperature (°C):	No information available.
Viscosity:	No information available.
Explosive properties:	Not classified as explosive.
Oxidising properties:	No information available.

9.2 Other information

Molecular weight:	No information available.
Volatile organic compound:	No information available.
Other information:	None noted.

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity:	Reaction with: Strong oxidising agents. Reaction with strong acid. May react with active metals, such as aluminium and iron, to release flammable hydrogen gas.
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10.2 Chemical stability

Stability:	Stable under normal temperature conditions and recommended use.
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Safety Data Sheet (cont.)

10.3 Possibility of hazardous reactions

Hazardous reactions:	See section 10.1 for information on hazardous reactions.
Hazardous polymerisation:	Will not polymerise.
Polymerisation description:	Not applicable.

10.4 Conditions to avoid

Conditions to avoid:	Heat, sparks, open flames, temperature extremes and direct sunlight.
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10.5 Incompatible materials

Materials to avoid:	Avoid oxidising agents. Strong acids. Do not mix with other chemicals unless listed on directions. Avoid contact with metals.
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10.6 Hazardous decomposition products

Hazardous decomposition products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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Section 11: Toxicology information

11.1 Information on toxicology effects

Toxicology information:	No toxicological information for the overall finished product.
Acute toxicity (Oral LD50):	SODIUM HYDROXIDE (CAS 1310-73-2): 325 mg/kg bw, Rabbit. REACH dossier information. SODIUM HYPOCHLORITE SOLUTION (CAS 7681-52-9): 1100 mg/kg, Rat. REACH dossier information.
Acute toxicity (Dermal LD50):	SODIUM HYDROXIDE (CAS 1310-73-2): 1350 mg/kg, Rabbit. IUCLID chemical data sheet. SODIUM HYPOCHLORITE SOLUTION (CAS 7681-52-9) > 20000 mg/kg, Rabbit. REACH dossier information.
Acute toxicity (Inhalation LD50):	SODIUM HYPOCHLORITE SOLUTION (CAS 7681-52-9) > 10.5 mg/l (vapours, Rat, 1 hour). REACH dossier information.
Serious eye damage/irritation:	Causes severe eye damage.
Skin corrosion/irritation:	No information available.
Respiratory sensitisation:	No information available.
Skin sensitisation:	No information available.
Germ cell mutagenicity:	No information available.
Carcinogenicity:	No information available.
Specific target organ toxicity - Single exposure:	No information available.
Repeated exposure:	No information available.
Inhalation:	Inhalation of mist or vapour may cause respiratory tract irritation.
Ingestion:	May cause chemical burns in mouth and throat. May cause severe internal injury.
Skin contact:	Causes severe skin burns.
Eye contact:	Extreme irritation of eyes and mucous membranes, including burning and tearing. Corrosive to eyes.
Waste management:	When handling waste, consideration should be made to the safety precautions applying to handling of the product.

Safety Data Sheet (cont.)

Routes of entry: No information available.
Target organs: Eyes, skin, digestive system, respiratory system.
Aspiration hazards: No information available.
Reproductive toxicity: No information available.

Name	LD50 oral	LD50 dermal	LD50 inhalation
sodium chloride	3350.00mg/kg Rat	>10000.00mg/kg Rabbit	>42.00mg/1 (vapours) Rat 1 Hours
sodium carbonate	2800.00mg/kg Rat	>2000.00mg/kg Rat	

Section 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish: SODIUM HYDROXIDE (CAS 1310-73-2) LC50: (96 hours) 45.4 mg/l Oncorhynchus mykiss (Rainbow trout). IUCLID chemical data sheet. SODIUM HYPOCHLORITE SOLUTION (CAS 7681-52-9) LC50: (96 hours) > 0.023 mg/l, Pink salmon. REACH dossier information.

Aquatic invertebrates: SODIUM HYDROXIDE (CAS 1310-73-2) EC50: (48 hours) 40.4 ug/L, Ceriodaphnia sp. REACH dossier information. SODIUM HYPOCHLORITE SOLUTION (CAS 7681-52-9) EC50: (48 hours) 35 ug/L, Ceriodaphnia dubia. NOEC: (48 hours) 25 ug/L Ceriodaphnia dubia. REACH dossier information.

Aquatic plants: SODIUM HYPOCHLORITE SOLUTION (CAS 7681-52-9) EC50: (96 hours) ~ 0.01 mg/l, Myriophyllum spicatum. NOEC: (96 hours) 0.02 mg/l, Myriophyllum spicatum. REACH dossier information.

Micro-organisms: No information available.

Chronic toxicity

Fish: No information available.
Aquatic invertebrates: No information available.
Aquatic plants: No information available.
Micro-organisms: No information available.

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

Eco-toxicological information: No ecological toxicity available on the overall finished product.

12.2 Persistence and degradability

Degradability: The degradability of the product has not been stated.
Biological oxygen demand: No information available.
Chemical oxygen demand: No information available.

12.3 Bioaccumulative potential

Bio-accumulative potential: No data available on bio-accumulation.
Bio-accumulation factor: No information available.
**Partition coefficient;
n-Octanol/Water:** No information available.

Safety Data Sheet (cont.)

12.4 Mobility in soil

Mobility: No information available.

12.5 Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6 Other adverse effects

No information available.

Name	Acute toxicity (Fish)	Acute toxicity (Aquatic invertebrates)	Acute toxicity (Aquatic plants)
sodium chloride	LC50 96 Hours 5840.00mg/l Lepomis macrochirus (Bluegill)	LC50 48 Hours 4136.00mg/l Daphnia magna	
sodium carbonate	LC50 96 Hours 300.00mg/l Lepomis macrochirus (Bluegill)	EC50 48 Hours 265.00mg/l Daphnia magna	

Section 13: Disposal considerations

Waste management: When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1 Waste treatment methods

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

Section 14: Transport information

14.1 UN number

UN no. (ADR) UN1760
UN no. (IMDG) UN1760
UN no. (IATA) UN1760

14.2 UN proper shipping name

ADR proper shipping name: CORROSIVE LIQUID, N.O.S. (Sodium Hypochlorite Solution)
IMDG proper shipping name: CORROSIVE LIQUID, N.O.S. (Sodium Hypochlorite Solution)
IATA proper shipping name: CORROSIVE LIQUID, N.O.S. (Sodium Hypochlorite Solution)

14.3 Transport hazard class(es)

ADR class: 8
IMDG class: 8
IATA class: 8

Safety Data Sheet (cont.)

Transport labels:



14.4 Packing group

ADR/RID/ADN packing group: III
IMDG III
IATA III

14.5 Environmental hazards

ADR: No
IMDG: No
IATA: No

14.6 Special precautions for user

EMS: F-A, S-B
Emergency action code: A3
Hazard no. (ADR): 80
Tunnel restriction code: (E)

14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code

Section 15: Regulatory information

15.1 Safety, health and environmental regulation/Legislation specific for the substance or mixture

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006.

Approved code of practice: Workplace Exposure Limits Guidance Note EH40/2005.
2016 Code of Practice for the Chemical Agents Regulations in accordance with section 60 of the Safety, Health and Welfare at Work Act 2005 (No. 10 of 2005).

Chemical safety assessment: No chemical safety assessment has been carried out.

Safety Data Sheet (cont.)

Section 16: Other information

General information:	This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.
Revision comments:	This is a first issue.
Revision date:	-
Safety data sheets status:	Approved.

Hazard statements in full

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H319	Causes serious eye irritation.

Disclaimer

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.