

SS2 Sterilising Solution

Revision 0

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

Revision date 2016-05-26

Product name	HPC 213 SS2 Sterilising Solution
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- 1.1. Product identifier
- 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC35] Washing and cleaning products (including solvent based products);
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- 1.3. Details of the supplier of the safety data sheet

Company	Hydron Protective Coatings Ltd
Address	Unit 7 Phoenix Road Wednesfield Wolverhampton WV11 3PX
Web	www.hydrnpc.co.uk
Telephone	enquiries@hydrnpc.co.uk
Fax	01902 450 950
Fmail	01902 451 050

- 1.4. Emergency telephone number


Emergency telephone number	01902 450 950 8.00 am - 5.00 pm Mon - Fri
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SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	Xi; R36/38 R31 Symbols: Xi: Irritant.
Main hazards	Contact with acids liberates toxic gas. Irritating to eyes and skin.
2.1.2. Classification - EC	Skin Corr. 1B: H314;

- 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Precautionary Statement	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling.

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2.2. Label elements

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/ . P321 - Specific treatment (see on this label). P363 - Wash contaminated clothing before reuse.
Precautionary Statement: Storage	P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%)	Classification	M-factor.
Sodium hypochlorite, solution...% Cl active	017-011-00-1	7681-52-9	231-668-3		1 - 10%	C; R34 R31 N; R50	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%)	Classification	M-factor.
Sodium hypochlorite, solution...% Cl active	017-011-00-1	7681-52-9	231-668-3		1 - 10%	EUH031; Skin Corr. 1B; H314; Aquatic Acute 1: H400;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	In case of accident by inhalation: remove casualty to fresh air and keep at rest. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. If you feel unwell, seek medical advice (show the label where possible).
Skin contact	Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. Drink 1 to 2 glasses of water. If you feel unwell, seek medical advice (show the label where possible).

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

Inhalation	May cause irritation to respiratory system.
Eye contact	Causes burns.
Skin contact	Causes burns.
	May cause irritation to mucous membranes.

Treat symptomatically. If unsure, seek medical attention/advice.

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

SECTION 5: Firefighting measures

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5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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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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	Wear suitable respiratory equipment when necessary.
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5.3. Advice for firefighters

SECTION 6: Accidental release measures

	Wear suitable gloves. Safety glasses.
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6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

	No environmental requirements.
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	Absorb with inert, absorbent material. Dispose of this material and its container to hazardous or special waste collection point. Clean spillage area thoroughly with plenty of water.
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6.3. Methods and material for containment and cleaning up

6.4. Reference to other sections

	See Section 7 for handling information. See Section 8 for personal protection information. See Section 13 for disposal information.
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SECTION 7: Handling and storage

	Adopt best Manual Handling considerations when handling, carrying and dispensing.
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7.1. Precautions for safe handling

7.2. Conditions for safe storage, including any incompatibilities

	Store in a cool, dry area.
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	Store in original container.
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SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

Eye / face protection	Safety glasses.
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Skin protection -	Nitrile rubber gloves.
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Handprotection	Wear suitable protective clothing.
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Skin protection - Other	Not normally required.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Yellow
Odour	Chlorine
	No data available
Odour threshold	12 - 13
	< 0

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pH	> 100
Melting point	Not determined
Initial boiling point	Not determined
Flash point	Not determined
Evaporation rate	Not determined
Flammability (solid, gas)	No data available
Upper Explosive Limit	1.1 - 1.14
Lower Explosive Limit	Not determined
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	Product is considered non-explosive
Partition coefficient	Product is considered non-oxidising
	Soluble in water

SECTION 10: Stability and reactivity

	No precautions required to be mentioned.
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10.1. Reactivity

10.2. Chemical stability

	Product will lose strength over time.
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	Acids. Ammonia.
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10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

	Protect from frost. Direct sunlight.
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	Acids. Ammonia.
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10.5. Incompatible materials

10.6. Hazardous decomposition products

	No data is available on this product.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation	Causes burns.
Serious eye damage/irritation	Causes burns.
Respiratory or skin sensitisation	No sensitization effects reported.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No reproductive toxicity effects reported.
STOT-single exposure	No target organ toxicity effects reported.
STOT-repeated exposure	No target organ toxicity effects reported.

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Aspiration hazard	No aspiration hazards reported.
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11.1. Information on toxicological effects

11.1.4. Toxicological Information

Sodium hypochlorite, solution...% Cl active	Oral Rat LD50: 13 g/kg	Oral Mouse LD50: 2900-3400 mg/kg
	Dermal Rabbit LD50: >2000 mg/kg	

SECTION 12: Ecological information

	No data is available on this product.
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12.2. Persistence and degradability

12.3. Bioaccumulative potential

	No data is available on this product.
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	No data is available on this product.
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12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

	No data is available on this product.
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	No data is available on this product.
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12.6. Other adverse effects

SECTION 13: Disposal considerations

	Dispose of this material and its container to hazardous or special waste collection point.
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13.1. Waste treatment methods

SECTION 14: Transport information



Hazard pictograms

14.1. UN number

	UN3266
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	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium Hypochlorite)
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14.2. UN proper shipping name

14.3. Transport hazard class(es)

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

Packing group	II
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14.4. Packing group

14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

Hazard ID	80
Tunnel Category	(E)

ADR/RID

IMDG

EmS Code	F-A S-B
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IATA

Packing Instruction (Cargo)	855
Maximum quantity	30 L
Packing Instruction (Passenger)	851
Maximum quantity	1 L

SECTION 15: Regulatory information

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

15.2. Chemical safety assessment

	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.
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SECTION 16: Other information

Other information

Text of risk phrases in Section 3	R31 - Contact with acids liberates toxic gas. R34 - Causes burns. R50 - Very toxic to aquatic organisms.
Text of Hazard Statements in Section 3	EUH031 - Contact with acids liberates toxic gas. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Aquatic Acute 1: H400 - Very toxic to aquatic life.