

Medipal Chlorine Disinfectant Wipes

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product name:	Medipal Chlorine Disinfectant Wipes
Product code:	S570110MPCE
Use of the substance/mixture:	Disinfecting surfaces
Substance type:	Mixture

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

Identified uses:	Wipes for disinfecting hard surfaces
Uses advised against:	For professional users only

1.3 Details of the supplier of the safety data sheet

Company:	Pal International limited Bilton Way, Lutterworth, Leicestershire, LE17 4JA, United Kingdom
Telephone:	+441455 555 700
Fax:	+441455 555 755
Email:	info@palinternational.com

1.4 Emergency telephone number

Emergency telephone number:	+44 (0) 1455 555 700 (English spoken, Mon-Fri 08.00-17.00 GMT)
Emergency mobile number:	+44 (0) 7725 204 194
NHS medical advice/help:	(+44) 111 (24 hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Regulation (EC) No. 1272/2008:	Harmful to aquatic life with long lasting effects, Category 3. H412
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2.2.1 Label elements

Product name:	Medipal Chlorine Disinfectant Wipes
Contains:	Sodium hypochlorite
Hazard pictogram(s):	Not applicable
Signal word(s):	Not applicable
Hazard statement(s):	H412: Harmful to aquatic life with long lasting effects
Precautionary statement(s):	P273: Avoid release to the environment P501: Dispose of according to local/national regulations
Supplemental hazard information (EU):	None known

2.3 Other hazards: None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

Hazardous components
EC Classification No. 1272/2008

Chemical Name	CAS-No. EC-No. REACH No.	Classification (Regulation (EC) No 1272/2008)	Concentration [%]
Sodium Hypochlorite	7681-52-9 231-668-3 017-011-00-1	STOT SE3; H335 Skin Corr 1; H314 Eye dam 1; H318 Aquatic Acute 1; H400 Met corr 1; H290	<0.6%
Sodium hydroxide	1310-73-2 215-185-5	Metal corr 1; H290 Skin and eye damage; H314	0.05%
Sodium Chloride	7647-14-5 231-598-3	-	4%

For the full text of the H-statements mentioned in this section, see Section 16

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation:	Under normal conditions of use no acute inhalation hazard is expected. No response statement under CLP.
Skin contact:	Rinse thoroughly with water. Repeated or prolonged contact with unprotected sensitive skin may produce defatting of the skin leading to irritation and dermatitis.
Eye contact:	Rinse thoroughly with water. If irritation persists seek medical attention. No response statement under CLP.
Ingestion:	Wash out mouth with water. Do not induce vomiting. Have victim drink 240 – 300ml of water to dilute stomach contents. Obtain medical attention.

4.2 **Most important symptoms and effects, both acute and delayed** See section 11 for more detailed information on health effects and symptoms.

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

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:	All extinguishing products are allowed.
Special protective equipment for fire fighting	Wear full protective self-contained positive pressure breathing apparatus (SCBA) and full turnout gear

5.2 Special hazard arising from the substance or mixture

Specific hazard during firefighting:	Product not combustible
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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Splash goggles. Protective overall / suit. Boots. Gloves. Select appropriate clothing for the size of the spillage.

Advice for emergency responders:

If specialized clothing is required to deal with the spillage, take note of any information in section 8 on suitable and unsuitable materials.

6.2 Environmental precautions

Environmental precautions

Prevent discharges into the environment (rivers, water courses, sewers etc.)

6.3 Methods and material for containment and cleaning up

Methods for cleaning up

Clear up spillages. Collect as much as possible in a suitable, clean container, preferably for re-use, otherwise for disposal. Wash the spillage area with large quantities of water. Advise Authorities if spillage has entered watercourse or sewer or has contaminated soil or vegetation

6.4 Reference to other sections

See section 1 for emergency contact information

For personal protection see section 8

See section 13 for additional waste treatment information.

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SECTION 7: HANDLING & STORAGE

7.1 Precautions for safe handling

Handling

Keep away from heat. Keep away from sources of ignition. Empty containers may still contain significant residual amounts of products. Ground all equipment containing material. Do not breath gas / fumes / vapour/ spray. Avoid contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers:

Keep container closed. Keep container in a cool, dry and well-ventilated area. Use original container. Do not store together with acids and ammonium salts. Chlorine gas will be released if mixed with strong acid, pH <2
5 - 25°C

Storage temperature:

7.3 Specific end uses

Specific use(s):

The substance is designed for use in Product Type 2, 3, 4 and 5 of the Biocidal Product Regulation (528/2012)

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Not available

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide exhaust ventilation or other engineering controls to keep airborne concentrations of vapours below their respective threshold limit value. Ensure eyewash stations and safety showers are close to workstation location.

8.2.2 Hygiene measures

Wash hands after handling compounds and before eating, smoking, using lavatory and at the end of the day.

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8.2.3 Personal protective equipment

Eye protection

Provide eyewash stations in facilities where product is handled and where there is danger of splash.

Skin and body protection

If there is danger of splashing, wear: PVC or rubber boots. No special PPE required if used as directed.

Respiratory protection

Wear appropriate respirator when ventilation is inadequate. No special PPE required if used as directed.

Hand protection

Use chemical resistant gloves for prolonged use. No special PPE required if used as directed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical

Appearance	White Nonwoven wipe material
Colour	White
Odour	Slight chlorine type smell
Important health, safety and environmental information	
pH	8.5 - 10
Melting Point/Freezing point	No data available
Boiling point	101°C (approximate)
Flash point	Not available
Melting point	-2.5°C (approximate)
Density	1.027 – 1.032 g/cm ²
Solubility	Complete
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Solubility(ies)	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

9.2 Other information

No data available

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SECTION 10: STABILITY AND REACTIVITY

- 10.1 **Stability** The product will react with inorganic and organic compound
- 10.2 **Materials to avoid** Acids, Ammonium compounds, Copper, Nickel and Iron. Chlorine gas will be released if mixed with strong acid, pH <2
EUH031 Contact with acids liberates toxic gas.

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1 **Information on toxicological effect**
- Local effects (Oral ingestion) LD50.2500MG/KG (GHCS – Unclassified)
- Local effects (Eye irritation) Not considered ocular corrosive or severe irritant
- Local effects (Inhalation) Spray mist may cause slight irritation to the upper respiratory tract
- Local effect (Dermal) The product is classified as non-corrosive to the skin. The following classification criteria apply: EU DSD (67/548/EEC): Not classified for corrosivity; EU CLP (1272/2008/EC)/UN GHS: Not classified for corrosivity; UN Packing Group – Non-corrosive. Mild irritation may occur with prolonged use on unprotected sensitive skin.
- Mutagenicity This product is non-mutagenic (Ames Test)

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 **Ecotoxicity**
- OECD 201, Algal growth inhibition test – EC50, NOEC 0.0077mg/l; LOEC 0.025mg/L of active substances.
- OECD 209, Activated Sludge, Respiration Test – EC50, NOEC 1000mg/l of active substances.
- OECD 203, Fish, Acute Toxicity Test (*Pimaphales promelas*) – LC50, 96th NOEC 0.43mg/l, LOEC 0.77mg/l of active substances.
- OECD 202, Acute Immobilisation Test (*Daphnia* sp.) – EC50, 48h NOEC 0.077mg/l. LOEC 0.25mg/l active substances

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12.2	Persistence and degradability	The methods for determining the biological degradability are not acceptable to inorganic substances.
12.3	Bioaccumulative potential	Not expected
12.4	Mobility in soil	Product is completely soluble in water
12.5	Additional ecotox information	All numerical values for ecotox effects are calculated on the pure active.
12.6	Other adverse effects	No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulation.
13.2	Additional Information	Do not dispose of with acids.

SECTION 14: TRANSPORT INFORMATION

This product is not classified as dangerous goods for transport in regards to the transport regulations.

Land transport (ADR/AND/RID)

14.1	UN number	Not applicable.
14.2	UN proper shipping name	Not applicable.
14.3	Transport hazard class(es)	Not applicable.
14.4	Packaging group	Not applicable.
14.5	Environmental hazards	No
14.6	Special precautions for user	Not applicable.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	Not applicable.

Sea transport (IMDG/IMO)

14.1	UN number	Not applicable.
14.2	UN proper shipping name	Not applicable.
14.3	Transport hazard class(es)	Not applicable.
14.4	Packaging group	Not applicable.
14.5	Environmental hazards	No
14.6	Special precautions for user	Not applicable.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	Not applicable.

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Air Transport (IATA)

14.1	UN number	Not applicable.
14.2	UN proper shipping name	Not applicable.
14.3	Transport hazard class(es)	Not applicable.
14.4	Packaging group	Not applicable.
14.5	Environmental hazards	No
14.6	Special precautions for user	Not applicable.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	Medical device labeling (93/42/EEC): Class IIa
15.2	Chemical safety assessment	This product contains substances for which chemical safety assessment is still required.

SECTION 16: OTHER INFORMATION

Full text of H-statements

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
H412:	Harmful to aquatic life with long-lasting effects

Full text of other abbreviations

ADR: European agreement concerning the international carriage of dangerous goods by Road.
IMDG: International Maritime Dangerous Goods.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organisation
RID: Regulations concerning the International carriage of Dangerous goods by rail.

Training advice

Professional use product. Training will be required by the product provider.

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Disclaimers

This data sheet was compiled using external data from our supplier's and independent laboratories. This safety data sheet contains all the necessary information to conduct a COSHH assessment. This document in its own right does NOT constitute the users own assessment of workplace risk as required by Health and safety legislation.

The information given in this safety data sheet is given in good faith and to the best of our knowledge is correct. No liability is accepted for any loss or damage arising directly from the use of the company's products or from the use of the information given in this safety data sheet, In particular, financial or economical loss unless required by law.

Annex to the extended safety data sheet (eSDS)

This product contains substances for which chemical safety assessment is still required.