



# Safeguard Antibacterial Wound Wash Spray

## Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010  
Issue date: 12/9/2021 Revision date: 12/11/2023 Version: 2.0

### SECTION 1: Identification

#### 1.1. Product identifier

Product form	: Mixture
Trade name	: Safeguard Antibacterial Wound Wash Spray
Type of product	: Biocidal products (e.g. Disinfectants, pest control)
Product code	: 93526, 77970
Product group	: Trade product

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

Use of the substance/mixture	:
Use of the substance/mixture	: Bactericide

#### 1.3. Supplier's details

##### Manufacturer

Shield Chemicals (Pty) Ltd  
9 London Rd Apex  
P.O. Box 1939  
1501 Benoni – Gauteng  
South Africa  
T (011) 421 7111  
Contact: Jayson Clark

#### 1.4. Emergency telephone number

Emergency number	: (011) 421 7111
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### SECTION 2: Hazards identification

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

##### Classification according to the United Nations GHS

Aerosol, Category 3	H229
Serious eye damage/eye irritation, Category 2A	H319
Skin sensitisation, Category 1	H317
Hazardous to the aquatic environment — Acute Hazard, Category 3	H402
Full text of H-statements: see section 16	

#### 2.2. Label elements

##### Labelling according to the United Nations GHS

Hazard pictograms (GHS ZA)

:



Signal word (GHS-ZA)

: Warning

Hazardous ingredients

: 2-benzyl-4-chlorophenol, 2-hydroxybiphenyl, 4-chloro-3-methylphenol, Ethanol

Hazard statements (GHS ZA)

: H229 - Pressurised container: May burst if heated.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H402 - Harmful to aquatic life

Precautionary statements (GHS ZA)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P251 - Do not pierce or burn, even after use.

P261 - Avoid breathing spray.

P264 - Wash hands, forearms and face thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

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P273 - Avoid release to the environment.  
P280 - Wear protective gloves, eye protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P333+P313 - If skin irritation or rash occurs: Get medical attention.  
P337+P313 - If eye irritation persists: Get medical advice.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.  
P501 - Dispose of contents to an approved waste disposal plant.

### 2.3. Other hazards

Adverse physicochemical, human health and environmental effects

: Pressurised container: May burst if heated, May cause an allergic skin reaction, Causes serious eye irritation, Harmful to aquatic life

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Ethanol	CAS-No.: 64-17-5	>10	Flam. Liq. 2, H225 Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) Acute Tox. Not classified (Inhalation: dust, mist) Eye Irrit. 2A, H319 Aquatic Acute Not classified
2-hydroxybiphenyl	CAS-No.: 90-43-7	0.1 - 1	Acute Tox. 5 (Oral), H303 Acute Tox. 5 (Dermal), H313 Skin Irrit. 2, H315 STOT SE 3, H335 Aquatic Acute 1, H400
4-chloro-3-methylphenol	CAS-No.: 59-50-7	0.1 - 1	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 1, H400
2-benzyl-4-chlorophenol	CAS-No.: 120-32-1	0.01 - 0.1	Acute Tox. 5 (Oral), H303 Acute Tox. 5 (Dermal), H313 Acute Tox. 4 (Inhalation: dust, mist), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 2, H351 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.

#### 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	: Water spray. Dry powder. Foam. Carbon dioxide.
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#### 5.2. Special hazards arising from the substance or mixture

Explosion hazard	: Pressurised container: May burst if heated.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

#### 5.3. Advice for firefighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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### SECTION 6: Accidental release measures

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

No additional information available

##### 6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing mist.
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##### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

For containment	: Collect spillage.
Methods for cleaning up	: Mechanically recover the product.
Other information	: Dispose of materials or solid residues at an authorized site.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Avoid contact with skin and eyes. Avoid breathing mist. Wear personal protective equipment.
Hygiene measures	: Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a well-ventilated place. Keep cool.
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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Environmental exposure controls	: Avoid release to the environment.

#### 8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection	: Protective gloves
Eye protection	: Safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment

**Personal protective equipment symbol(s):**



#### 8.4. Exposure limit values for the other components

No additional information available

### SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Colourless.
Odour	: Phenol odour.
Odour threshold	: No data available
pH	: 6 – 8
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available

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Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Vapour pressure at 50 °C	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Relative density of saturated gas/air mixture	: No data available
Density	: No data available
Relative gas density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Partition coefficient n-octanol/water (Log Kow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Pressurised container: May burst if heated.
Oxidising properties	: No data available
Explosive limits	: No data available
Lower explosive limit (LEL)	: No data available
Upper explosive limit (UEL)	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Pressurised container: May burst if heated.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

2-benzyl-4-chlorophenol (120-32-1)	
LD50 oral rat	> 2500 mg/kg
LD50 oral	> 5000 mg/kg
LC50 Inhalation - Rat	2500 mg/m³

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<b>2-hydroxybiphenyl (90-43-7)</b>	
LD50 oral rat	2980 mg/kg
LD50 dermal rat	> 2000 mg/kg
<b>4-chloro-3-methylphenol (59-50-7)</b>	
LD50 oral rat	1830 mg/kg
LD50 dermal rat	2000 – 5000 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	> 2871 mg/l/4h
<b>Ethanol (64-17-5)</b>	
LD50 oral rat	10470 mg/kg
LD50 dermal rabbit	> 15800 mg/kg
LC50 Inhalation - Rat	51 mg/l/4h
Skin corrosion/irritation	: Not classified pH: 6 – 8
Serious eye damage/irritation	: Causes serious eye irritation. pH: 6 – 8
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
<b>2-hydroxybiphenyl (90-43-7)</b>	
STOT-single exposure	May cause respiratory irritation.
<b>4-chloro-3-methylphenol (59-50-7)</b>	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
<b>2-benzyl-4-chlorophenol (120-32-1)</b>	
	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
<b>Safeguard Antibacterial Wound Wash Spray</b>	
Vaporizer	aerosol

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Harmful to aquatic life.
Hazardous to the aquatic environment, short-term (acute)	: Harmful to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

<b>2-benzyl-4-chlorophenol (120-32-1)</b>	
LC50 - Fish [1]	1.5 mg/l
EC50 - Crustacea [1]	0.59 mg/l
<b>2-hydroxybiphenyl (90-43-7)</b>	
EC50 72h - Algae [1]	0.85 mg/l

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4-chloro-3-methylphenol (59-50-7)	
LC50 - Fish [1]	0.92 mg/l
Bioconcentration factor (BCF REACH)	13

Ethanol (64-17-5)	
LC50 - Fish [1]	11.2 mg/l
EC50 - Crustacea [1]	5012 mg/l
Bioconcentration factor (BCF REACH)	< 10

### 12.2. Persistence and degradability

Safeguard Antibacterial Wound Wash Spray	
Persistence and degradability	No additional information available

Ethanol (64-17-5)	
Chemical oxygen demand (COD)	2.04 g O <sub>2</sub> /g substance

### 12.3. Bioaccumulative potential

Safeguard Antibacterial Wound Wash Spray	
Bioaccumulative potential	No additional information available

4-chloro-3-methylphenol (59-50-7)	
Bioconcentration factor (BCF REACH)	13

Ethanol (64-17-5)	
Bioconcentration factor (BCF REACH)	< 10

### 12.4. Mobility in soil

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Mobility in soil	No additional information available

Ethanol (64-17-5)	
Mobility in soil	1

### 12.5. Other adverse effects

Ozone : Not classified  
Other adverse effects : No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information




In accordance with SANS / IMDG / IATA

SANS	IMDG	IATA
14.1. UN number		
1950	1950	1950

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SANS	IMDG	IATA
<b>14.2. Proper Shipping Name</b>		
AEROSOLS	AEROSOLS	Aerosols, non-flammable
<b>14.3. Transport hazard class(es)</b>		
2.2	2.2	2.2
		
<b>14.4. Packing group</b>		
Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>		
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
No supplementary information available		

### 14.6. Special precautions for user

#### SANS

Special provisions (SANS)	: 63, 190
Limited quantities (SANS)	: See SP277
Limited quantities (SANS)	: See SP277
Packagings, large packagings and IBCs Packing instructions (SANS)	: P003
Packagings, large packagings and IBCs Special packing instructions (SANS)	: PP17, PP87

#### IMDG

Special provisions (IMDG)	: 63, 190, 277, 327, 344, 381, 959
Packing instructions (IMDG)	: P207, LP200
Special packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES
EmS-No. (Spillage)	: S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)
Stowage category (IMDG)	: None

#### IATA

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A98, A145, A167, A802
ERG code (IATA)	: 2L

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health, and environmental national regulations specific for the product

No additional information available

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### SECTION 16: Other information

Issue date : 09/12/2021  
Revision date : 11/12/2023

#### Full text of H-statements

H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H302	Harmful if swallowed.
H303	May be harmful if swallowed
H313	May be harmful in contact with skin
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects.

Safety Data Sheet (SDS), South Africa

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.