



**BACTERIA
SHIELD**

ANTIMICROBIAL DEFENCE SYSTEM
ENVIRONMENTAL FRIENDLY

Safety data sheet

Page 1 of 6

According to Regulation (EC) No. 1907/2006 and (EG) 453/2010

Bacteria Shield Handfoam

Date 2012-04-20, Revision 1

1. Identification of the substance/preparation and of the company/undertaking

Trade name Bacteria Shield Handfoam
Use of the preparation Bacterial and virus killing handfoam
Supplier Winova Technology AB
Toftåkersvägen 9
SE-238 35 Oxie, Sweden
Marketed by Bacteria Shield Sweden AB
Centralgatan 1
SE- 841 33 Ånge, Sweden
Tel. +46 (0)40-61 60 795
Contact Philip Wilhelmsson
E-mail/Web page info@bacteriashield.se/www.bacteriashield.se
Emergency telephone Swedish poison information +46 (0)8-331231

2. Hazards identification

Classification

Classification (1999/45/EC): This product is not classified as flammable, irritating or dangerous for the environment

Label elements:

Symbol

None

Risk phrases

None

Safety phrases

None

Other hazards

No hazards known.

Ingredients according to Direktive 648/2004/EC

Cationic surfactants < 5%

3. Composition/information on ingredients

Chemical composition: mixture. Bacteria Shield Handfoam is a preparation of multiple synergistic biocides in an aqueous solution.

Components	CAS-No EC-No	Reg- No	Conc. %	Symbol & R-phrases *	Hazard Class and Category Code(s)	Hazard statement Code(s)(2)
-	-	-	-	-	-	-

* The full text of Risk phrases and Hazard statement Codes are listed under heading 16.

The classification is based on data from the chemical supplier and www.ecb.europa.eu (databases)

Explanation of symbols:

T= Toxic; T+= Very toxic; C= Corrosive; Xn= Harmful; Xi= Irritant; O= Oxidizing; E= Explosive;

F= Highly flammable; F+= Extremely flammable; N= Dangerous to the environment



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Safety data sheet

According to Regulation (EC) No. 1907/2006 and (EG) 453/2010

Page 2 of 6

Bacteria Shield Handfoam

Date 2012-04-20, Revision 1

4. First aid measures

Description of first aid measures:

General information

Never give fluids or induce vomiting if patient is unconscious. Keep person warm and calm. In all cases of doubt, or when symptoms persist, seek medical advice.

Inhalation

Fresh air.

Skin contact

Wash with warm water.

Eye contact

Rinse with water for several minutes. Hold eyelids apart. Contact a doctor if the complaints persist.

Ingestion

Rinse mouth with water and drink several glasses of water. Contact a doctor if the complaints persist.

Most important symptoms and effects, both acute and delayed:

Inhalation:	No irritation expected.
Skin contact:	No irritation expected.
Eye contact:	May be slight irritating to eyes.
Ingestion:	Ingestion may cause discomfort, nausea.

Indication of any immediate medical attention and special treatment needed

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5. Fire-fighting measures

Extinguishing media

Choose material suitable for surrounding fire:

Water spray, fog or mist, foam, powder or carbon dioxide.

Special hazards arising from the substance or mixture

Do not breathe fumes. During fire, gases hazardous to health may be formed.

Special protective equipment

Appropriate breathing apparatus may be required.

Additional information

Cool endangered containers with water in case of fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Small quantities may be wiped up with a cloth. Flush with water.

Larger spill: Contain spill with inert material. Absorb in vermiculite, dry sand or earth.

Place in container for disposal according to local regulations.



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ENVIRONMENTAL FRIENDLY

Safety data sheet

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Page 3 of 6

Bacteria Shield Handfoam

Date 2012-04-20, Revision 1

6. Accidental release measures (...)

Reference to other sections

See Section 7 for proper handling and storage.

For personal protection see section 8.

For disposal of spillage, see section 13.

7. Handling and storage

Precautions for safe handling

Read instructions before use.

Normal precautions taken when handling chemicals should be observed.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry area.

Store in a well ventilated area.

Specific end use(s)

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8. Exposure controls/personal protection

Ventilation requirements

Provide adequate ventilation.

Exposure limits

Not applicable.

Exposure controls:

General protective and hygiene measures

The usual precautionary measures for the handling of chemicals have to be observed.

Individual protection measures, such as personal protective equipment.

Always consult a competent person/supplier when selecting personal protective equipment.

Respiratory protection

None required.

Hand protection

Not required when used as intended.

Eye protection

Wear tightly fitting protective goggles if there is a risk of direct contact or splash.

Body protection

None required.



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According to Regulation (EC) No. 1907/2006 and (EG) 453/2010

Page 4 of 6

Bacteria Shield Handfoam

Date 2012-04-20, Revision 1

9. Physical and chemical properties

Information on basic physical and chemical properties:

Form:	Liquid
Colour:	Colourless
Odour:	Characteristic
pH-value:	Ca 7
Boiling point/ (°C):	>100
Solubility in water:	Miscible in water.
Explosive properties:	Not Explosive
Oxidising properties:	Not Oxidising
Other information	
No specific	

10. Stability and reactivity

Reactivity

Stable under recommended storage and handing conditions.

Chemical stability

Stable

Possibility of hazardous reactions

Stable under recommended storage and handing conditions.

Conditions to avoid

No known.

Incompatible materials

No known.

Hazardous decomposition products

No hazardous decompositions products known under recommended handing conditions.

11. Toxicological information

Information on toxicological effects

See section 4. (Most important symptoms and effects, both acute and delayed)

Acute toxicity

Information about this preparation is not available.

Effects of chronic exposure

No known

Routes of exposure

Eyes and skin ,ingestion, inhalation.

Allergenic potential

The product is not classified as allergenic by inhalation or skin contact.

Carcinogenicity, mutagenicity and toxicity for reproduction

This product do not contain any substances classified as carcinogen, mutagen and toxic for reproduction.

Other information

Bacteria Shield Handfoam passed Cytotoxicity In Vitro 3T3 NRU conforms ISO 10993-5.



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Safety data sheet

According to Regulation (EC) No. 1907/2006 and (EG) 453/2010

Page 5 of 6

Bacteria Shield Handfoam

Date 2012-04-20, Revision 1

12. Ecological information

This product is not classified as dangerous for the environment.

Toxicity

Information about this preparation is not available.

Persistence and degradability

More than 90% biodegradable.

Bioaccumulative potential

Does not bioaccumulate.

Mobility in soil

Soluble in water.

Results of PBT and vPvB assessment

-

Other adverse effects

-

13. Disposal considerations

Waste treatment methods

This product or residues of this product is not classified as hazardous waste. Dispose of in accordance with local authority requirements.

Disposal of Packaging

Well cleaned packaging could be left for recycling

14. Transport information

UN number

The product is not classified as dangerous goods according to ADR/RID, IMDG, DGR

UN proper shipping name

-

Transport hazard class(es)

-

Packing group

-

Environmental hazards

Marine Pollutant: No

Special precautions for user

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

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15. Regulatory information

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

Classification according to (67/548/EEC, 1999/45/EC)

Chemical safety assessment: -



Safety data sheet

Page 6 of 6

According to Regulation (EC) No. 1907/2006 and (EG) 453/2010

Bacteria Shield Handfoam

Date 2012-04-20, Revision 1

16. Other information

Additional information

Bacteria Shield Handfoam is a preparation of multiple synergistic biocides in an aqueous solution. These occur in such a small amount in this product so it is classified as non hazardous according to EU-rules.

The full text of Risk phrases and Hazard statement Codes are listed under heading 3:

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Sources

Safety data sheet provided by the manufacturer. CLP-regulation, www.kemi.se, www.ecb.europa.eu (databases)

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Abbreviations explanations

ADR: :International Carriage of Dangerous Goods by Road

BCF: Bio Concentration Factor

CAS-nr: Chemical Abstracts Service number

EC₅₀: Effect Concentration

EG-nr: A substance number i EINECS, ELINCS or in No-Longer Polymers List.

IMDG: International Maritime Dangerous Goods Code.

LC₅₀: Lethal Concentration

LD₅₀: Lethal Dose

IC₅₀: Median Inhibition Concentration

NOEC: No Observed Effect Concentration

PBT-substance: Persistent, Bio accumulative and Toxic substances.

vPvB-substance; Very persistent and Very Bio accumulative substances.