SAFETY DATA SHEET

Issuing date 28-Feb-2012 **Revision Date** 28-Feb-2012

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

1.1 Product identifier

Product name Suredip Concentrate
Pure substance/mixture Mixture

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

Recommended Use Skin and teat hygiene products with chlorhexidine digluconate BP

Uses advised against No information available

1.3 Details of the supplier of the safety data sheet

Company Information GEA Farm Technologies (UK) Ltd
Wylye Works, Watery Lane, Bishopstrow, Warminster, Wiltshire BA12 9HT England

Telephone +44 (0) 1985 216 444

Fax +44 (0)1985 216 692

For further information, please contact:

E-mail Address info.agroserve@geagroup.com

1.4 Emergency telephone number

Emergency telephone +44 (0)870 190 6777 (24 hours, 7 days)

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to EU Directives 67/548/EEC or 1999/45/EC

N; R50/53

2.2 Label elements

N - Dangerous for the environment
R-phrase(s)
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-phrase(s)
S1/2 - keep locked up and out of reach of children
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
S60 - This material and its container must be disposed of as hazardous waste
S61 - Avoid release to the environment. Refer to special instructions/ Safety data sheets

2.3 Other information

Contact with eyes may cause irritation

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name	EC-No	CAS-No	Weight %	Classification (67/548)	Classification (Reg. 1272/2008)	REACH Registration Number
Chlorhexidine digluconate	242-354-0	18472-51-0	3.6	Xn; R41 N; R50/53	Eye Dam. 1 (H318), Acute Aquatic 1 (H400), Chronic Aquatic 1 (H410) GHS05, GHS09 (Dgr)	no data available

For the full text of R-phrases and H-Statements see Section 16

SECTION 4. FIRST AID MEASURES

4.1 Description of first-aid measures

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms develop obtain medical attention.

Skin contact Wash off immediately with plenty of water for at least 15 minutes. If symptoms develop obtain medical attention.

Ingestion Never give anything by mouth to an unconscious person. Wash out mouth with water and give 100 - 200 ml of water to drink. Do NOT induce vomiting. If symptoms develop obtain medical attention.

Inhalation Remove patient from exposure, keep warm and at rest. Administer oxygen if breathing is difficult and you are trained. If symptoms develop obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Main Symptoms Repeated or prolonged exposure may cause irritation of eyes and skin.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media
Use extinguishing agent suitable for type of surrounding fire. Cool containers / tanks with water spray.

Extinguishing media which shall not be used for safety reasons
No information available.

5.2 Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors: Carbon oxides. Hydrogen chloride. Nitrogen oxides (NOx).

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with the skin and the eyes. Avoid breathing vapors or mists. Ensure adequate ventilation. Wear protective gloves/clothing and eye/face protection. For personal protection see section 8.

6.2 Environmental precautions

Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and materials for containment and cleaning up

Dike to collect large liquid spills. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Dispose of wastes in an approved waste disposal facility.

6.4 Reference to other sections

Waste Disposal Methods: See also section 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid breathing vapors or mists. Wear personal protective equipment. In case of insufficient ventilation, wear suitable respiratory equipment.

Do not eat, drink or smoke during work. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Store in original container. Keep tightly closed in a dry and cool place. Keep away from direct sunlight. Protect from frost. Keep away from food, drink and animal feedingstuffs. Avoid contact with other chemicals.

7.3 Specific end uses

Skin and teat hygiene products with chlorhexidine digluconate BP

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits	Contains no substances with occupational exposure limit values.
Derived No Effect Level (DNEL)	No information available.
Predicted No Effect Concentration (PNEC)	No information available.

8.2 Exposure controls

Appropriate engineering controls	Provide adequate ventilation, including appropriate local extraction, to ensure that occupational exposure limits are not exceeded.

Personal protective equipment

Eye Protection	Safety glasses with side-shields (EN 166).
Hand Protection	Protective gloves (EN 374).
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation wear suitable respiratory equipment (BS EN 14387:2004+A1).

Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.
Environmental Exposure Controls	Avoid release to the environment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Non-viscous liquid
Odor	None
Color	Blue
Odor Threshold	Not applicable

Property	Values	Remarks • Methods
pH		No information available
Melting/freezing point		No information available
Freezing Point	0 °C	
Boiling point/boiling range		No information available
Flash Point		No information available
Evaporation rate		No information available
Flammability (solid, gas)		Not applicable
Flammability Limits in Air		No information available
upper flammability limit		
lower flammability limit		
Vapor pressure		No information available
Vapor density		No information available
Relative density	1.100 - 1.110	
Water solubility		Miscible
Solubility in other solvents		No information available
Partition coefficient: n-octanol/water		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available

Explosive properties	Not explosive
Oxidizing Properties	No information available

9.2 Other information

Softening point	No information available
Molecular Weight	No information available
VOC Content(%)	No information available
Density	No information available
Bulk Density	No information available

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Non-reactive under normal conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to Avoid

Extremes of temperature and direct sunlight. Protect from frost.

10.5 Incompatible Materials

Cleaning products.

10.6 Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapors: Carbon oxides. Hydrogen chloride. Nitrogen oxides (NOx).

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Chlorhexidine digluconate	> 2 g/kg (Rat)	> 5000 mg/kg (Rabbit)	

Skin corrosion/irritation May cause skin irritation.

Serious Damage/Eye Irritation May cause eye irritation.

Respiratory or Skin Sensitisation Not sensitising.

Mutagenicity Not classified.

Carcinogenicity Not classified.

Reproductive toxicity Not classified.

STOT - Single exposure	Not classified
STOT - Repeated exposure	Not classified.
Aspiration hazard	Not classified.
Other information	No information available.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Chlorhexidine digluconate	ErC10: 0.03 mg/l 72 h scenedesmus subspicatus	LC50: 2.08 mg/l 96h Brachydanio rerio	EC50: 0.087 mg/l 48h Daphnia magna NOEC: 0.0206 mg/l 21d Daphnia magna

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Product has a high potential to bioconcentrate.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

Chemical Name	Toxicity to microorganisms
Chlorhexidine digluconate	COD: 219000 mg/l BOD5: 0 mg/l

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from residues / unused products	Dispose of as hazardous waste in compliance with local and national regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

	ADR/RID/ADN	ICAO/IATA	IMDG / IMO
14.1 UN Number	3082	3082	3082
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Chlorhexidine digluconate	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Chlorhexidine digluconate	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Chlorhexidine digluconate
14.3 Transport hazard class(es)	9	9	9
14.4 Packing Group	III	III	III
14.5 Environmental Hazards	Marine pollutant	Marine pollutant	Marine pollutant
14.6 Special precautions for users		Avoid release to the environment	
14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code			

SECTION 15. REGULATORY INFORMATION

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. Classification according to EU Directives 67/548/EEC or 1999/45/EC.

15.2 Chemical Safety Assessment

No information available. Chemical Safety Assessment has not been carried out.

SECTION 16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3
R41 - Risk of serious damage to eyes
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Full text of H-Statements referred to under sections 2 and 3
H318 - Causes serious eye damage
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects

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Revision Note not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Disclaimer

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