

MATERIAL SAFETY DATA SHEET

according to the requirements of Regulation (EC) No. 1907/2006

Product name: Clinidip Superconcentrate

Version: 02-12

Revision Date: 21 February 2012

Section 1. Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier: Product name: **Clinidip Superconcentrate**
 Pure substance/mixture: Mixture
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
 Recommended use: Teat disinfectant for animal use only.
 Uses advised against: No information available
- 1.3 Details of the supplier of the safety data sheet
GEA Farm Technologies (UK) Ltd
 Wylle 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:
 Email address: info.agroserve@gea.com
- 1.4 Emergency telephone number: +44 (0) 870 190 6777 (GEA Farm Technologies) (24 hours, 7 days)

Section 2. Hazards identification

- 2.1 Classification of the substance or mixture Not classified as a dangerous substance or preparation according to Directives 67/548/EEC or 1999/45/EC and their amendments.
- 2.2 Label elements
 Not dangerous.
R-phrases(s): None
S-phrases(s): None
- 2.3 Other information
 May cause skin and eye irritation.
 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)

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
	Iodine	231-442-4	7553-56-2	2.5	Xn; R20/21 N; R50	Acute Tox. 4 (H312) Acute Tox. 4 (H332) Aquatic Acute 1 (H400) GHS07,GHS09 (Wng)	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 water to drink. Do NOT induce vomiting. Get 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: May cause skin and eye irritation.
- 4.3 Indication of any immediate medical attention and special treatment needed
- Notes to physician:** Treat symptomatically.

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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 vapours.
- 5.3 Advice for fire fighters 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 vapours or mists. Ensure adequate ventilation. Wear protective gloves/clothing and eye/face protection. For personal protection see section 8.
- 6.2 Environmental precautions Try to prevent the material from entering drains or water courses. Local authorities should be advised if significant spillages cannot be contained.
- 6.3 Methods and material 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. Flush spillage area with plenty of water. 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 Do not breathe vapours or spray mist. Avoid contact with skin and eyes. 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: Keep container tightly closed in a dry and well-ventilated place. Keep cool. Protect from sunlight. Avoid release to the environment.
- 7.3 Specific end use(s) Teat disinfectant for animal use only.

Section 8. Exposure controls / personal protection

8.1 Control parameters

Chemical Name	Iodine 7553-56-2
United Kingdom	STEL: 0.1 ppm STEL: 1.1 mg/m ³
Ireland	STEL: 0.1 ppm STEL: 1 mg/m ³

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. Protective shoes or boots.

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.

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Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties	Physical state:	Liquid
	Appearance:	Non-viscous liquid
	Odour:	Slight metallic. Iodine
	Colour:	Brown, black
	Odour threshold:	No information available
	<u>Property</u>	
	pH	3.0 - 5.0
	Freezing point	0°C
	Flammability (solid, gas)	Not applicable
	Flammability limits in air	Not applicable
	Upper flammability limit	
	Lower flammability limit	
	Relative density	1.06 - 1.09
	Water solubility	Miscible
	Explosive properties	Not explosive
9.2 Other information	No information available for:	
	Melting/freezing point; Boiling point/boiling range; Flash point; Evaporation rate; Vapour pressure; Vapour density; Solubility in other solvents; Partition coefficient: n-octanol/water; Autoignition temperature; Decomposition temperature; Viscosity, kinematic; Viscosity, dynamic; Oxidising Properties.	
9.2 Other information	No information available for:	
	Softening point; Molecular weight; VOC Content (%); Density; Bulk density.	

Section 10. Stability and Reactivity

10.1 Reactivity	Non-reactive under normal conditions. Avoid mixing with other products.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	None under normal processing.
10.4 Conditions to avoid	None known.
10.5 Incompatible materials	None known.
10.6 Hazardous decomposition products	Carbon oxides.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity	Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
	Iodine	14 mg/kg (Rat)		
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, STOT - Repeated exposure		Not classified.		
Aspiration hazard		Not classified.		
Other information		No information available.		

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Section 12. Ecological information

12.1 Toxicity Contains a component that is considered to be very toxic to aquatic organisms. However, at the concentration present, this preparation is not expected to present significant adverse environmental effects.

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Iodine	-	LC50: 2.01 mg/L (Rainbow Trout).	-

12.2 Persistence and degradability No information available.

12.3 Bioaccumulative potential No information available.

12.4 Mobility in soil No information available.

12.5 Results of PBT and vPvB assessment This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB). This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

12.6 Other adverse effects No information available.

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

Not classified as hazardous for transport.

	ADR/RID/ADN	ICAO/IATA	IMDG / IMO
14.1 UN Number:	-	-	-
14.2 Proper shipping name:	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	Not classified.	Not classified.	Not classified.
14.6 Special precautions for user	No special precautions are needed in handling this material.		
14.7 Transport in bulk according to MARPOL73/78 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.

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Section 16. Other information

Full text of R-phrases referred to under sections 2 and 3

R50 - Very toxic to aquatic organisms

R20/21 - Harmful by inhalation and in contact with skin.

Full text of H-Statements referred to under sections 2 and 3

H312 - Harmful in contact with skin

H333 - May be harmful if inhaled

H400 - Very toxic to aquatic life

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Revision note Not applicable

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

Disclaimer

The information and recommendations contained herein are based upon data believed to be up-to-date and correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information and recommendations contained herein. We accept no responsibility and disclaim all liability for any harmful effects that may be caused by (incorrect) use, handling, purchase, resale, or exposure to our product. Customers and users of our product must comply with all applicable health and safety laws, regulations, and orders. In particular, they are under an obligation to carry out a risk assessment for the particular work places and to take adequate risk management measures in accordance with the national implementation legislation of EU Directives 89/391 and 98/24.