

# SAFETY DATA SHEET

Issuing date 21-Feb-2012

Revision Date 21-Feb-2012

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

### 1.1 Product identifier

**Product name** Ioderm Plus  
**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

**Company Information** GEA Farm Technologies (UK) Ltd  
Wylze 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

*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

## Ioderm Plus

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	0.28	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

<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms develop obtain medical attention.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. If symptoms develop obtain medical attention.
<b>Ingestion</b>	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. Get medical attention.
<b>Inhalation</b>	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

<b>Main Symptoms</b>	May cause skin and eye irritation.
----------------------	------------------------------------

### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Notes to physician</b>	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



## Ioderm Plus

Thermal decomposition can lead to release of irritating and toxic gases and vapors

### 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

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 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. 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 vapors 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 uses

Teat disinfectant for animal use only.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Chemical Name	Iodine 7553-56-2
The United Kingdom	STEL: 0.1 ppm STEL: 1.1 mg/m <sup>3</sup>
France	VLCT: 0.1 ppm VLCT: 1 mg/m <sup>3</sup>
Spain	VLA-EC: 0.1 ppm VLA-EC: 1 mg/m <sup>3</sup>
Portugal	Ceiling: 0.1 ppm

## Ioderm Plus

Finland	STEL: 0.1 ppm STEL: 1.1 mg/m <sup>3</sup> Skin
Denmark	Ceiling: 0.1 ppm Ceiling: 1 mg/m <sup>3</sup>
Austria	STEL 0.1 ppm STEL 1 mg/m <sup>3</sup> MAK: 0.1 ppm MAK: 1 mg/m <sup>3</sup> Ceiling 0.1 ppm Ceiling 1 mg/m <sup>3</sup> Skin
Switzerland	STEL: 0.1 ppm STEL: 1 mg/m <sup>3</sup> MAK: 0.1 ppm MAK: 1 mg/m <sup>3</sup>
Poland	NDSch: 1 mg/m <sup>3</sup> NDS: 0.5 mg/m <sup>3</sup>
Norway	Ceiling: 0.1 ppm Ceiling: 1 mg/m <sup>3</sup>
Ireland	STEL: 0.1 ppm STEL: 1 mg/m <sup>3</sup>

**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.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Non-viscous liquid
Odor	Slight metallic. Iodine
Color	Brown, black
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH	3.0 - 5.0	
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		Not applicable

## Ioderm Plus

upper flammability limit		
lower flammability limit		
Vapor pressure		No information available
Vapor density		No information available
Relative density	1.02 - 1.05	
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
<b>Explosive properties</b>	Not explosive	
<b>Oxidizing Properties</b>	No information available	

### 9.2 Other information

<b>Softening point</b>	No information available
<b>Molecular Weight</b>	No information available
<b>VOC Content(%)</b>	No information available
<b>Density</b>	No information available
<b>Bulk Density</b>	No information available

## 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

## Ioderm Plus

### Acute toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Iodine	14 g/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** Not classified.

**STOT - Repeated exposure** Not classified.

**Aspiration hazard** Not classified.

**Other information** No information available.

## 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).

**Ioderm Plus**

**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
<b>14.1 UN Number</b>	-	-	-
<b>14.2 Proper shipping name</b>	-	-	-
<b>14.3 Transport hazard class(es)</b>	-	-	-
<b>14.4 Packing Group</b>	-	-	-
<b>14.5 Environmental Hazards</b>	Not Classified	Not Classified	Not Classified
<b>14.6 Special precautions for users</b>	No special precautions are needed in handling this material.		
<b>14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code</b>			

**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**

R50 - Very toxic to aquatic organisms.

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



## **Ioderm Plus**

### **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

<b>Issuing date</b>	21-Feb-2012
<b>Revision Date</b>	21-Feb-2012
<b>Revision Note</b>	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.