

# THE PRODUCT RANGE & MSDS

## ■ **AARDArterial:**

An organic, non-toxic sanitising and disinfecting fluid.

The fluid comes in concentrated 1 litre version, containers are recyclable when empty.

In its original state, AARDArterial is a dark brown/yellow viscous solution, which works in conjunction with AARDFLO, an activator and arterial conditioner.

## ■ **AARDFLO:**

Designed to activate the AARDArterial by reducing the surface tension and to allow the viscous fluid to penetrate the tissues of the body more effectively.

FLO also removes the dark colour, allowing the operators to 'self-dye' the fluid to their own specific requirements.

## ■ **AARDColour:**

A red colour concentrate specifically designed to work with AARDArterial to provide excellent presentation for viewing.

## ■ **AARDCavity:**

A Cavity fluid designed for straight cases.

## ■ **AARDCavity - Post Mortem**

A more viscous cavity fluid, for treating the viscera of post mortem cases.

## ■ **AARDUltra:**

Water corrective – 1-litre bottles.

## ■ **AARDUltra - X:**

Water corrective for exceptionally hard water areas – 1-litre bottles.

## ■ **AARDOedema:**

Helps stabilise cases with excess fluid retention. AARDOedema fluid should be used as a direct replacement of the AARDFlo in Oedematous cases and not in addition to AARDFlo.

## ■ **AARDCavity Gel:**

A topical application for treating the cavities of post mortem cases, also the thoracic and abdominal flaps and the anterior and posterior flaps of the scalp.

## ■ **AARDEExternal Gel:**

Suitable for topical application to the outer surface of the abdominal areas in severely degenerating cases.

## ■ **AARDGel -X:**

For the treatment of diseased tissues, i.e. bedsores. This thick application will hold in place under a dressing and has been found to virtually eradicate the odour associated with diseased tissues.

# SAFETY DATA SHEET

Date of issue: 08/03/05

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

### *Identification of the product*

Catalogue No:

Product name: AARDBalm Arterial Fluid

### *Manufacturer/supplier identification*

Company: AARDBalm Limited  
AARDHouse, Haltwistle Road,  
South Woodham Ferrers,  
Essex CM3 5ZF

Emergency telephone No.: 01245 426777

## 2. Composition/information on ingredients

### *Chemical characterization*

Solution in water

Product name: Iodine solutions

Povidone Iodine	<20%	Sodium alginate	<10%
CAS number:	25655-41-8	CAS number :	9005-38-3

## 3. Hazards identification

Not classified as dangerous according to EC Directives

## 4. First aid measures

- Eye contact: Irrigate thoroughly with water for at least 10 minutes. OBTAIN MEDICAL ATTENTION.
- Inhalation: Remove from exposure, rest and keep warm. In severe cases obtain medical attention.
- Skin contact: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use.
- Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink. OBTAIN MEDICAL ATTENTION.

## 5. Fire-fighting measures

### *Special risks:*

May evolve toxic fumes in fire. (Iodine)

### *Suitable extinguishing media:*

To suit environment.

## 6. Accidental release measures

Wear appropriate protective clothing.

If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with detergent and water.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

## **7. Handling and storage**

### ***Handling:***

Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use.

### ***Storage:***

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

## **8. Exposure controls/personal protection**

### ***UK Exposure Limits:***

OES, Iodine:

Short term: 1.1 mg/m<sup>3</sup> (0.1 ppm)

### ***Personal protective equipment:***

As appropriate to the situation and the quantity handled.

- Respirator: Not applicable
- Ventilation: Not applicable
- Gloves: Rubber or plastic
- Eye Protection: Goggles or face-shield
- Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

## **9. Physical and chemical properties**

### ***General information:***

Form:	liquid
Colour:	dark brown
Odour:	slightly pungent

### ***Health, safety and environmental information:***

Melting temperature	Not available
Boiling temperature	Not available
Solubility in water	Miscible in all proportions
Flash point	Not applicable
Explosion limits: lower:	Not applicable
Auto-ignition temperature	Not applicable

## **10. Stability and reactivity**

Stable.

No data

### **11. Toxicological information**

- After inhalation: May irritate.
- After eye contact: local irritation symptoms
- After skin contact: May irritate.
- After ingestion: gastrointestinal symptoms

#### ***Further data***

The following applies to iodides in general: sensitization with allergic manifestations in predisposed persons.

We have no evidence of carcinogenic effects. We have no evidence of mutagenic or teratogenic effects.

### **12. Ecological information**

The following applies to iodides in general: biological effects: crustaceans: *D. magna* EC50: 2.7 mg/l; protozoa: *E. sulcatum* toxic from 40 mg/l up.

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

### **13. Disposal considerations**

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

### **14. Transport information**

Not subject to transport regulations.

### **15. Regulatory information**

#### ***Labelling according to EC directives***

#### ***Local Regulations***

Within the UK, the use of this material must be assessed under the Control of Substances Hazardous to Health (COSHH) regulations.

### **16. Other information**

Revision.

Supersedes issue of 18/08/94

# SAFETY DATA SHEET

Date of issue: 16-03-08

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

### *Identification of the product*

Product name: AARDFlo

### *Manufacturer/supplier identification*

Company: AARDBalm Limited  
AARDHouse 104 Haltwhistle Road  
South Woodham Ferrers  
Essex CM3 5ZF

Emergency telephone No.: 01245 426777

## 2. Composition/information on ingredients

### *Chemical characterization*

Organic liquid

Product name: AARDFlo

CAS number: Not applicable

EC-No.: Mixture

## 3. Hazards identification

Not classified as dangerous according to EC Directives.

## 4. First aid measures

- Eye contact: Irrigate thoroughly with water. If discomfort persists obtain medical attention.
- Inhalation: Remove from exposure.
- Skin contact: Wash off thoroughly with soap and water.
- Ingestion: Wash out mouth thoroughly with water. In severe cases obtain medical attention.

## 5. Fire-fighting measures

### *Special risks:*

Combustible.

### *Suitable extinguishing media:*

Water spray, foam, dry powder or carbon dioxide

## 6. Accidental release measures

Wear appropriate protective clothing.

If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with detergent and water.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

## 7. Handling and storage

### *Handling:*

No special precautions necessary.

### *Storage:*

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

## 8. Exposure controls/personal protection

### *UK Exposure Limits:*

None assigned

### *Personal protective equipment:*

As appropriate to the situation and the quantity handled.

- Respirator: Not applicable
- Ventilation: Not applicable
- Gloves: Rubber or plastic
- Eye Protection: Goggles or face-shield
- Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

## 9. Physical and chemical properties

### *General information:*

Form:	liquid
Colour:	colourless
Odour:	odourless

### *Health, safety and environmental information:*

Melting temperature	3°C
Boiling temperature	>250°C
Density(g/ml)	1.055
Solubility in water	Miscible in all proportions
pH value	5 - 7
Flash point	245°C
Explosion limits: lower:	No data
Auto-ignition temperature	370°C

## 10. Stability and reactivity

Stable.

Substances to be avoided

strong oxidizing agents.

The possibility of reaction with other substances cannot be excluded.

## **11. Toxicological information**

Very low acute toxicity in animal experiments. Hazardous properties are relatively improbable. The product should be handled with the care usual when dealing with chemicals.

### ***Further data***

No Information.

## **12. Ecological information**

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

## **13. Disposal considerations**

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

## **14. Transport information**

Not subject to transport regulations.

## **15. Regulatory information**

### ***Labelling according to EC directives***

Not classified as dangerous according to EC Directives.

EC-No.: Mixture not applicable

### ***Local Regulations***

## **16. Other information**

### **Revision:**

Supercedes issue of 14/06/04

Formulation change

Date of issue: 16/03/08

Date of print: 16/03/08

# SAFETY DATA SHEET

Date of issue: 16/03/08

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

### *Identification of the product*

Catalogue No:

Product name: AARDBalm Cavity Fluid

### *Manufacturer/supplier identification*

Company: AARDBalm Limited  
AARDHouse, Haltwistle Road,  
South Woodham Ferrers,  
Essex CM3 5ZF

Emergency telephone No.: 01245 426777

## 2. Composition/information on ingredients

### *Chemical characterization*

Solution in water

Product name: Iodine solutions

Povidone Iodine <20%  
CAS number: 25655-41-8

## 3. Hazards identification

Not classified as dangerous according to EC Directives

## 4. First aid measures

- Eye contact: Irrigate thoroughly with water for at least 10 minutes. OBTAIN MEDICAL ATTENTION.
- Inhalation: Remove from exposure, rest and keep warm. In severe cases obtain medical attention.
- Skin contact: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use.
- Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink. OBTAIN MEDICAL ATTENTION.

## 5. Fire-fighting measures

### *Special risks:*

May evolve toxic fumes in fire. (Iodine)

### *Suitable extinguishing media:*

To suit environment.

## 6. Accidental release measures

Wear appropriate protective clothing.

If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with detergent and water.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

## **7. Handling and storage**

### ***Handling:***

Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use.

### ***Storage:***

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

## **8. Exposure controls/personal protection**

### ***UK Exposure Limits:***

OES, Iodine:

Short term: 1.1 mg/m<sup>3</sup> (0.1 ppm)

### ***Personal protective equipment:***

As appropriate to the situation and the quantity handled.

- Respirator: Not applicable
- Ventilation: Not applicable
- Gloves: Rubber or plastic
- Eye Protection: Goggles or face-shield
- Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

## **9. Physical and chemical properties**

### ***General information:***

Form:	liquid
Colour:	dark brown
Odour:	slightly pungent

### ***Health, safety and environmental information:***

Melting temperature	Not available
Boiling temperature	Not available
Solubility in water	Miscible in all proportions
Flash point	Not applicable
Explosion limits: lower:	Not applicable
Auto-ignition temperature	Not applicable

## **10. Stability and reactivity**

Stable.

No data

### **11. Toxicological information**

- After inhalation: May irritate.
- After eye contact: local irritation symptoms
- After skin contact: May irritate.
- After ingestion: gastrointestinal symptoms

#### ***Further data***

The following applies to iodides in general: sensitization with allergic manifestations in predisposed persons.

We have no evidence of carcinogenic effects. We have no evidence of mutagenic or teratogenic effects.

### **12. Ecological information**

The following applies to iodides in general: biological effects: crustaceans: *D. magna* EC50: 2.7 mg/l; protozoa: *E. sulcatum* toxic from 40 mg/l up.

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

### **13. Disposal considerations**

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

### **14. Transport information**

Not subject to transport regulations.

### **15. Regulatory information**

#### ***Labelling according to EC directives***

#### ***Local Regulations***

Within the UK, the use of this material must be assessed under the Control of Substances Hazardous to Health (COSHH) regulations.

### **16. Other information**

Revision.

Supercedes issue of 08/01/06

# SAFETY DATA SHEET

Date of issue: 16/03/08

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

### *Identification of the product*

Catalogue No:

Product name: AARDBalm Cavity Post Mortem Fluid

### *Manufacturer/supplier identification*

Company: AARDBalm Limited  
AARDHouse, Haltwistle Road,  
South Woodham Ferrers,  
Essex CM3 5ZF

Emergency telephone No.: 01245 426777

## 2. Composition/information on ingredients

### *Chemical characterization*

Solution in water

Product name: Iodine solutions

Povidone Iodine <20%  
CAS number: 25655-41-8

## 3. Hazards identification

Not classified as dangerous according to EC Directives

## 4. First aid measures

- Eye contact: Irrigate thoroughly with water for at least 10 minutes. OBTAIN MEDICAL ATTENTION.
- Inhalation: Remove from exposure, rest and keep warm. In severe cases obtain medical attention.
- Skin contact: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use.
- Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink. OBTAIN MEDICAL ATTENTION.

## 5. Fire-fighting measures

### *Special risks:*

May evolve toxic fumes in fire. (Iodine)

### *Suitable extinguishing media:*

To suit environment.

## 6. Accidental release measures

Wear appropriate protective clothing.

If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with detergent and water.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

## **7. Handling and storage**

### ***Handling:***

Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use.

### ***Storage:***

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

## **8. Exposure controls/personal protection**

### ***UK Exposure Limits:***

OES, Iodine:

Short term: 1.1 mg/m<sup>3</sup> (0.1 ppm)

### ***Personal protective equipment:***

As appropriate to the situation and the quantity handled.

- Respirator: Not applicable
- Ventilation: Not applicable
- Gloves: Rubber or plastic
- Eye Protection: Goggles or face-shield
- Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

## **9. Physical and chemical properties**

### ***General information:***

Form:	liquid
Colour:	dark brown
Odour:	slightly pungent

### ***Health, safety and environmental information:***

Melting temperature	Not available
Boiling temperature	Not available
Solubility in water	Miscible in all proportions
Flash point	Not applicable
Explosion limits: lower:	Not applicable
Auto-ignition temperature	Not applicable

## **10. Stability and reactivity**

Stable.

No data

### **11. Toxicological information**

- After inhalation: May irritate.
- After eye contact: local irritation symptoms
- After skin contact: May irritate.
- After ingestion: gastrointestinal symptoms

#### ***Further data***

The following applies to iodides in general: sensitization with allergic manifestations in predisposed persons.

We have no evidence of carcinogenic effects. We have no evidence of mutagenic or teratogenic effects.

### **12. Ecological information**

The following applies to iodides in general: biological effects: crustaceans: *D. magna* EC50: 2.7 mg/l; protozoa: *E. sulcatum* toxic from 40 mg/l up.

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

### **13. Disposal considerations**

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

### **14. Transport information**

Not subject to transport regulations.

### **15. Regulatory information**

#### ***Labelling according to EC directives***

#### ***Local Regulations***

Within the UK, the use of this material must be assessed under the Control of Substances Hazardous to Health (COSHH) regulations.

### **16. Other information**

General Revision.

Supercedes issue of 10/01/06

# SAFETY DATA SHEET

Date of issue: 16-03-08

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

### *Identification of the product*

Product name: AARDOedema

### *Manufacturer/supplier identification*

Company: AARDBalm Limited  
AARDHouse 104 Haltwhistle Road  
South Woodham Ferrers  
Essex CM3 5ZF

Emergency telephone No.: 01245 426777

## 2. Composition/information on ingredients

### *Chemical characterization*

Organic liquid

Product name: AARDOedema

CAS number: Not applicable

EC-No.: Mixture

## 3. Hazards identification

Not classified as dangerous according to EC Directives.

## 4. First aid measures

- Eye contact: Irrigate thoroughly with water. If discomfort persists obtain medical attention.
- Inhalation: Remove from exposure.
- Skin contact: Wash off thoroughly with soap and water.
- Ingestion: Wash out mouth thoroughly with water. In severe cases obtain medical attention.

## 5. Fire-fighting measures

### *Special risks:*

Combustible.

### *Suitable extinguishing media:*

Water spray, foam, dry powder or carbon dioxide

## 6. Accidental release measures

Wear appropriate protective clothing.

If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with detergent and water.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

## 7. Handling and storage

### *Handling:*

No special precautions necessary.

### *Storage:*

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

## 8. Exposure controls/personal protection

### *UK Exposure Limits:*

None assigned

### *Personal protective equipment:*

As appropriate to the situation and the quantity handled.

- Respirator: Not applicable
- Ventilation: Not applicable
- Gloves: Rubber or plastic
- Eye Protection: Goggles or face-shield
- Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

## 9. Physical and chemical properties

### *General information:*

Form:	liquid
Colour:	colourless
Odour:	odourless

### *Health, safety and environmental information:*

Melting temperature	3°C
Boiling temperature	>250°C
Density(g/ml)	1.2
Solubility in water	Miscible in all proportions
pH value	6.5 - 8
Flash point	245°C
Explosion limits: lower:	No data
Auto-ignition temperature	370°C

## 10. Stability and reactivity

Stable.

Substances to be avoided

strong oxidizing agents.

The possibility of reaction with other substances cannot be excluded.

## **11. Toxicological information**

Very low acute toxicity in animal experiments. Hazardous properties are relatively improbable. The product should be handled with the care usual when dealing with chemicals.

### ***Further data***

No Information.

## **12. Ecological information**

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

## **13. Disposal considerations**

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

## **14. Transport information**

Not subject to transport regulations.

## **15. Regulatory information**

### ***Labelling according to EC directives***

Not classified as dangerous according to EC Directives.

EC-No.: Mixture not applicable

### ***Local Regulations***

## **16. Other information**

### **Revision:**

Supercedes issue of 14/06/04

Formulation change

Date of issue: 16/03/08

Date of print: 16/03/08

# SAFETY DATA SHEET

Date of issue: 01-07-04

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

### *Identification of the product*

Product name: AARDUltra

### *Manufacturer/supplier identification*

Company: AARDBalm Limited  
AARDHouse 104 Haltwhistle Road  
South Woodham Ferrers  
Essex CM3 5ZF

Emergency telephone No.: 01245 426777

## 2. Composition/information on ingredients

### *Chemical characterization*

Organic liquid

Product name: AARDUltra

CAS number: Not applicable

EC-No.: Mixture

## 3. Hazards identification

Not classified as dangerous according to EC Directives.

## 4. First aid measures

- Eye contact: Irrigate thoroughly with water. If discomfort persists obtain medical attention.
- Inhalation: Remove from exposure.
- Skin contact: Wash off thoroughly with soap and water.
- Ingestion: Wash out mouth thoroughly with water. In severe cases obtain medical attention.

## 5. Fire-fighting measures

### *Special risks:*

Combustible.

### *Suitable extinguishing media:*

Water spray, foam, dry powder or carbon dioxide

## 6. Accidental release measures

Wear appropriate protective clothing.

If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with detergent and water.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

## 7. Handling and storage

### *Handling:*

No special precautions necessary.

### *Storage:*

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

## 8. Exposure controls/personal protection

### *UK Exposure Limits:*

None assigned

### *Personal protective equipment:*

As appropriate to the situation and the quantity handled.

- Respirator: Not applicable
- Ventilation: Not applicable
- Gloves: Rubber or plastic
- Eye Protection: Goggles or face-shield
- Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

## 9. Physical and chemical properties

### *General information:*

Form:	liquid
Colour:	colourless
Odour:	odourless

### *Health, safety and environmental information:*

Melting temperature	3°C
Boiling temperature	>250°C
Density(g/ml)	1.055
Solubility in water	Miscible in all proportions
pH value	7
Flash point	245°C
Explosion limits: lower:	No data
Auto-ignition temperature	370°C

## 10. Stability and reactivity

Stable.

Substances to be avoided

strong oxidizing agents.

The possibility of reaction with other substances cannot be excluded.

## **11. Toxicological information**

Very low acute toxicity in animal experiments. Hazardous properties are relatively improbable. The product should be handled with the care usual when dealing with chemicals.

### *Further data*

LD50 30200 mg/kg oral, rat.

## **12. Ecological information**

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

## **13. Disposal considerations**

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

## **14. Transport information**

Not subject to transport regulations.

## **15. Regulatory information**

### *Labelling according to EC directives*

Not classified as dangerous according to EC Directives.

EC-No.: 203-473-3

### *Local Regulations*

## **16. Other information**

Date of issue: 01/07/04  
Date of print: 01/07/04

# SAFETY DATA SHEET

Date of issue: 08/03/05

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

### *Identification of the product*

Catalogue No:

Product name: AARDBalm Bedsore Gel

### *Manufacturer/supplier identification*

Company: AARDBalm Limited  
AARDHouse, Haltwistle Road,  
South Woodham Ferrers,  
Essex CM3 5ZF

Emergency telephone No.: 01245 426777

## 2. Composition/information on ingredients

### *Chemical characterization*

Solution in water

Product name: Iodine solutions

Povidone Iodine	<20%	Sodium alginate	<20%
CAS number:	25655-41-8	CAS number :	9005-38-3

## 3. Hazards identification

Not classified as dangerous according to EC Directives

## 4. First aid measures

- Eye contact: Irrigate thoroughly with water for at least 10 minutes. OBTAIN MEDICAL ATTENTION.
- Inhalation: Remove from exposure, rest and keep warm. In severe cases obtain medical attention.
- Skin contact: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use.
- Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink. OBTAIN MEDICAL ATTENTION.

## 5. Fire-fighting measures

### *Special risks:*

May evolve toxic fumes in fire. (Iodine)

### *Suitable extinguishing media:*

To suit environment.

## 6. Accidental release measures

Wear appropriate protective clothing.

If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with detergent and water.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

## **7. Handling and storage**

### ***Handling:***

Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use.

### ***Storage:***

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

## **8. Exposure controls/personal protection**

### ***UK Exposure Limits:***

OES, Iodine:

Short term: 1.1 mg/m<sup>3</sup> (0.1 ppm)

### ***Personal protective equipment:***

As appropriate to the situation and the quantity handled.

- Respirator: Not applicable
- Ventilation: Not applicable
- Gloves: Rubber or plastic
- Eye Protection: Goggles or face-shield
- Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

## **9. Physical and chemical properties**

### ***General information:***

Form:	Gel
Colour:	dark brown
Odour:	slightly pungent

### ***Health, safety and environmental information:***

Melting temperature	Not available
Boiling temperature	Not available
Solubility in water	Miscible in all proportions
Flash point	Not applicable
Explosion limits: lower:	Not applicable
Auto-ignition temperature	Not applicable

## **10. Stability and reactivity**

Stable.

No data

### **11. Toxicological information**

- After inhalation: May irritate.
- After eye contact: local irritation symptoms
- After skin contact: May irritate.
- After ingestion: gastrointestinal symptoms

#### ***Further data***

The following applies to iodides in general: sensitization with allergic manifestations in predisposed persons.

We have no evidence of carcinogenic effects. We have no evidence of mutagenic or teratogenic effects.

### **12. Ecological information**

The following applies to iodides in general: biological effects: crustaceans: *D. magna* EC50: 2.7 mg/l; protozoa: *E. sulcatum* toxic from 40 mg/l up.

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

### **13. Disposal considerations**

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

### **14. Transport information**

Not subject to transport regulations.

### **15. Regulatory information**

#### ***Labelling according to EC directives***

#### ***Local Regulations***

Within the UK, the use of this material must be assessed under the Control of Substances Hazardous to Health (COSHH) regulations.

### **16. Other information**

Revision.

Supersedes issue of 18/08/94

# SAFETY DATA SHEET

Date of issue: 08/03/05

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

### *Identification of the product*

Catalogue No:

Product name: AARDBalm Gel for External application

### *Manufacturer/supplier identification*

Company: AARDBalm Limited  
AARDHouse, Haltwistle Road,  
South Woodham Ferrers,  
Essex CM3 5ZF

Emergency telephone No.: 01245 426777

## 2. Composition/information on ingredients

### *Chemical characterization*

Solution in water

Product name: Iodine solutions

Povidone Iodine	<20%	Sodium alginate	<20%
CAS number:	25655-41-8	CAS number :	9005-38-3

## 3. Hazards identification

Not classified as dangerous according to EC Directives

## 4. First aid measures

- Eye contact: Irrigate thoroughly with water for at least 10 minutes. OBTAIN MEDICAL ATTENTION.
- Inhalation: Remove from exposure, rest and keep warm. In severe cases obtain medical attention.
- Skin contact: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use.
- Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink. OBTAIN MEDICAL ATTENTION.

## 5. Fire-fighting measures

### *Special risks:*

May evolve toxic fumes in fire. (Iodine)

### *Suitable extinguishing media:*

To suit environment.

## 6. Accidental release measures

Wear appropriate protective clothing.

If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with detergent and water.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

## **7. Handling and storage**

### ***Handling:***

Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use.

### ***Storage:***

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

## **8. Exposure controls/personal protection**

### ***UK Exposure Limits:***

OES, Iodine:

Short term: 1.1 mg/m<sup>3</sup> (0.1 ppm)

### ***Personal protective equipment:***

As appropriate to the situation and the quantity handled.

- Respirator: Not applicable
- Ventilation: Not applicable
- Gloves: Rubber or plastic
- Eye Protection: Goggles or face-shield
- Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

## **9. Physical and chemical properties**

### ***General information:***

Form:	Gel
Colour:	brown
Odour:	slightly pungent

### ***Health, safety and environmental information:***

Melting temperature	Not available
Boiling temperature	Not available
Solubility in water	Miscible in all proportions
Flash point	Not applicable
Explosion limits: lower:	Not applicable
Auto-ignition temperature	Not applicable

## **10. Stability and reactivity**

Stable.

No data

### **11. Toxicological information**

- After inhalation: May irritate.
- After eye contact: local irritation symptoms
- After skin contact: May irritate.
- After ingestion: gastrointestinal symptoms

#### ***Further data***

The following applies to iodides in general: sensitization with allergic manifestations in predisposed persons.

We have no evidence of carcinogenic effects. We have no evidence of mutagenic or teratogenic effects.

### **12. Ecological information**

The following applies to iodides in general: biological effects: crustaceans: *D. magna* EC50: 2.7 mg/l; protozoa: *E. sulcatum* toxic from 40 mg/l up.

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

### **13. Disposal considerations**

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

### **14. Transport information**

Not subject to transport regulations.

### **15. Regulatory information**

#### ***Labelling according to EC directives***

#### ***Local Regulations***

Within the UK, the use of this material must be assessed under the Control of Substances Hazardous to Health (COSHH) regulations.

### **16. Other information**

Revision.

Supersedes issue of 18/08/94

# SAFETY DATA SHEET

Date of issue: 08/03/05

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

### *Identification of the product*

Catalogue No:

Product name: AARDBalm Cavity Gel

### *Manufacturer/supplier identification*

Company: AARDBalm Limited  
AARDHouse, Haltwistle Road,  
South Woodham Ferrers,  
Essex CM3 5ZF

Emergency telephone No.: 01245 426777

## 2. Composition/information on ingredients

### *Chemical characterization*

Solution in water

Product name: Iodine solutions

Povidone Iodine	<20%	Sodium alginate	<20%
CAS number:	25655-41-8	CAS number :	9005-38-3

## 3. Hazards identification

Not classified as dangerous according to EC Directives

## 4. First aid measures

- Eye contact: Irrigate thoroughly with water for at least 10 minutes. OBTAIN MEDICAL ATTENTION.
- Inhalation: Remove from exposure, rest and keep warm. In severe cases obtain medical attention.
- Skin contact: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use.
- Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink. OBTAIN MEDICAL ATTENTION.

## 5. Fire-fighting measures

### *Special risks:*

May evolve toxic fumes in fire. (Iodine)

### *Suitable extinguishing media:*

To suit environment.

## 6. Accidental release measures

Wear appropriate protective clothing.

If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with detergent and water.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

## **7. Handling and storage**

### ***Handling:***

Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use.

### ***Storage:***

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

## **8. Exposure controls/personal protection**

### ***UK Exposure Limits:***

OES, Iodine:

Short term: 1.1 mg/m<sup>3</sup> (0.1 ppm)

### ***Personal protective equipment:***

As appropriate to the situation and the quantity handled.

- Respirator: Not applicable
- Ventilation: Not applicable
- Gloves: Rubber or plastic
- Eye Protection: Goggles or face-shield
- Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

## **9. Physical and chemical properties**

### ***General information:***

Form:	Gel
Colour:	dark brown
Odour:	slightly pungent

### ***Health, safety and environmental information:***

Melting temperature	Not available
Boiling temperature	Not available
Solubility in water	Miscible in all proportions
Flash point	Not applicable
Explosion limits: lower:	Not applicable
Auto-ignition temperature	Not applicable

## **10. Stability and reactivity**

Stable.

No data

### **11. Toxicological information**

- After inhalation: May irritate.
- After eye contact: local irritation symptoms
- After skin contact: May irritate.
- After ingestion: gastrointestinal symptoms

#### ***Further data***

The following applies to iodides in general: sensitization with allergic manifestations in predisposed persons.

We have no evidence of carcinogenic effects. We have no evidence of mutagenic or teratogenic effects.

### **12. Ecological information**

The following applies to iodides in general: biological effects: crustaceans: *D. magna* EC50: 2.7 mg/l; protozoa: *E. sulcatum* toxic from 40 mg/l up.

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

### **13. Disposal considerations**

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

### **14. Transport information**

Not subject to transport regulations.

### **15. Regulatory information**

#### ***Labelling according to EC directives***

#### ***Local Regulations***

Within the UK, the use of this material must be assessed under the Control of Substances Hazardous to Health (COSHH) regulations.

### **16. Other information**

Revision.

Supersedes issue of 18/08/94

# SAFETY DATA SHEET

Date of issue: 01-09-08

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

### *Identification of the product*

Product name: **AARD RED Dye**

### *Manufacturer/supplier identification*

Company: AARDBalm Limited  
AARDHouse 104 Haltwhistle Road  
South Woodham Ferrers  
Essex CM3 5ZF

Emergency telephone No.: 01245 426777

## 2. Composition/information on ingredients

### *Chemical characterization*

Organic liquid

Product name: AARD RED Dye

CAS number: Not applicable

EC-No.: Mixture

Red Dye Dissolved in Purified water.

## 3. Hazards identification

Not classified as dangerous according to EC Directives.

## 4. First aid measures

- Eye contact: Irrigate thoroughly with water. If discomfort persists obtain medical attention.
- Inhalation: Remove from exposure.
- Skin contact: Wash off thoroughly with soap and water.
- Ingestion: Wash out mouth thoroughly with water. In severe cases obtain medical attention.

## 5. Fire-fighting measures

### *Special risks:*

Combustible.

### *Suitable extinguishing media:*

Water spray, foam, dry powder or carbon dioxide

## 6. Accidental release measures

Wear appropriate protective clothing.

If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with detergent and water.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

## **7. Handling and storage**

### ***Handling:***

No special precautions necessary.

### ***Storage:***

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

## **8. Exposure controls/personal protection**

### ***UK Exposure Limits:***

None assigned

### ***Personal protective equipment:***

As appropriate to the situation and the quantity handled.

- Respirator: Not applicable
- Ventilation: Not applicable
- Gloves: Rubber or plastic
- Eye Protection: Goggles or face-shield
- Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

## **9. Physical and chemical properties**

### ***General information:***

Form:	liquid
Colour:	Dark Red
Odour:	odourless

### ***Health, safety and environmental information:***

Melting temperature	3°C
Boiling temperature	>250°C
Density(g/ml)	1.000
Solubility in water	Miscible in all proportions
pH value	7
Flash point	245°C
Explosion limits: lower:	No data
Auto-ignition temperature	370°C

## **10. Stability and reactivity**

Stable.

Substances to be avoided

The possibility of reaction with other substances cannot be excluded.

#### **11. Toxicological information**

Very low acute toxicity in animal experiments. Hazardous properties are relatively improbable. The product should be handled with the care usual when dealing with chemicals.

##### *Further data*

Non available

#### **12. Ecological information**

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

#### **13. Disposal considerations**

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

#### **14. Transport information**

Not subject to transport regulations.

#### **15. Regulatory information**

##### *Labelling according to EC directives*

Not classified as dangerous according to EC Directives.

##### *Local Regulations*

#### **16. Other information**

Date of issue: 01/09/08  
Date of print: 01/09/08