

# MATERIAL SAFETY DATA SHEET: Viru-Gard

Issue N<sup>o</sup>: 1 Issue Date: 14/12/2006

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Commercial Product Name: Viru-gard  
Description: DEFRA approved Powder Disinfectant  
Appearance: Pink Coloured Powder  
Responsible Company: Farm Care GB Ltd.  
336 Waterloo Quay, Waterloo Road,  
Liverpool L3 0BT, UK  
Contact Details  
Tel: +66 872771060  
Fax: +66 76 256561  
info@farmcaregb.com  
www.farmcaregb.com

## 2. INFORMATION ON INGREDIENTS

Composition: A blend of inorganic peroxygen compound, inorganic salts, organic acid, Anionic detergents, fragrance and dye.

Chemical	Classification	% Conc.	CAS N <sup>o</sup>
Potassium monoperoxysulphate	O,C, R8, R34		50 79603-62.8

Sulphamic acid	Xi, R36/38, R52/53	<20	5329-14-6
----------------	--------------------	-----	-----------

Sodium Chloride

## 3. HAZARDS IDENTIFICATION

Skin: May cause burns on prolonged or repeated contact.  
Eyes: Dust may cause conjunctival irritation.  
Inhalation: Exposure to dust may have the following effects: irritation of nose, throat and respiratory tract.  
Ingestion: A large dose may have the following effects: coughing, nausea, vomiting,

## 4. FIRST AID MEASURES

Skin Contact: Wash skin with plenty of water  
Eye Contact: Rinse eyes with plenty of clean water for at least ten minutes. Seek medical advice if symptoms persist.  
Ingestion: Rinse out mouth with water. Do not induce vomiting. Seek medical advice.

## 5. FIRE FIGHTING MEASURES

Protection against Fire and Explosions: Wear self-contained breathing apparatus.  
Suitable Fire Extinguishing Media: Foam, CO<sub>2</sub>  
Non Suitable Media: None  
Special Exposure Hazards: None

## 6. ACCIDENTAL RELEASE MEASURES

Spilled product may be swept up into suitable containers for recovery or disposal. Avoid creating a dust. Finally flush area with plenty of water.

## 7. HANDLING AND STORAGE

Use in a ventilated area. Avoid creating a dust. Store in a cool, dry, well-ventilated area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Recommended Personal Protective Equipment:  
Respiratory Protection: Dust masks if conditions are dusty.  
Hand Protection: Impermeable gloves  
Eye Protection: Protective glasses or goggles

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pink coloured powder  
Odour: Slight pungent  
Other Data: None relevant for safety

## 10. STABILITY AND REACTIVITY

This preparation is stable under normal conditions of use.  
Conditions to avoid: None  
Materials to avoid: None  
Hazardous Decomposition Products: None

## 11. TOXICOLOGICAL INFORMATION

Test Data  
Acute oral toxicity: LD30 (Rat) 4123 mg/kg  
Acute dermal toxicity: LD30 (Rat) 2200mg/kg

## 12. ECOLOGICAL INFORMATION

Persistence and Degradability: No data is available, however accordance with 1999/45/EC, this product is not expected to display long term based on evaluation of its components in Adverse effects in the aquatic environment.

## 13. DISPOSAL CONSIDERATIONS

No special disposal method required, except that in accordance with local authority regulations.

## 14. TRANSPORT INFORMATION

UN N<sup>o</sup> 3260 Corrosive Solid Acidic Inorganic N.O.S. (contains potassium monopersulphate)  
Primary Hazard Corrosive  
Packing Group III  
H.I. Number 80  
Emergency action code 2X

## 15. REGULATORY INFORMATION

Labelling: O Oxidising  
C Corrosive  
Risk phrases: R8 Contact with combustible material may cause fire.  
R22 Harmful if swallowed.  
R34 Causes burns.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the environment.  
Safety phrases: S17 keep away from combustible material  
S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36 Wear suitable protective clothing.

## 16. OTHER INFORMATION

The information contained in this MSDS, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee. Since the conditions of use are beyond control of our company, it is the responsibility of the user to Determine the conditions of safe use of this preparation. The information in this sheet does not represent analytical specifications, for which please refer to our Product Data Sheet.  
issue Date: 01/09/04

# MATERIAL SAFETY DATA SHEET: Egg-Gard

Issue N°: 1 Issue Date: 14/12/2006

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Commercial Product Name: Egg-Gard  
Description: Low foam powder for washing eggs.  
Responsible Company: Farm Care GB Ltd.  
336 Waterloo Quay, Waterloo Road,  
Liverpool L3 0BT, UK  
Contact Details: Tel: +66 872771060  
Fax: +66 76 256561  
info@farmcaregb.com  
www.farmcaregb.com

## 2. INFORMATION ON INGREDIENTS

Hazardous Ingredients:

Chemical	Classification	% Conc.	CAS N°
Potassium monopersulphate	C, R34, R22	>10	6834-92-0
Soda Ash	Xi, R36	<10	497-19-8

## 3. HAZARDS IDENTIFICATION

Skin: May cause burns on prolonged or repeated contact.  
Eyes: Dust may cause conjunctival irritation.  
Inhalation: Exposure to dust may have the following effects: irritation of nose, throat and respiratory tract.  
Ingestion: A large dose may have the following effects: coughing, nausea, vomiting,

## 4. FIRST AID MEASURES

Skin Contact: Wash skin with plenty of water  
Eye Contact: Rinse eyes with plenty of clean water for at least ten minutes. Seek medical advice if symptoms persist.  
Ingestion: Rinse out mouth with water. Do not induce vomiting. Seek medical advice.

## 5. FIRE FIGHTING MEASURES

Protection against Fire and Explosions: Wear self-contained breathing apparatus.  
Suitable Fire Extinguishing Media: Foam, CO<sub>2</sub>  
Non Suitable Media: None  
Special Exposure Hazards: None

## 6. ACCIDENTAL RELEASE MEASURES

Spilled product may be swept up into suitable containers for recovery or disposal. Avoid creating a dust. Finally flush area with plenty of water.

## 7. HANDLING AND STORAGE

Use in a ventilated area. Avoid creating a dust. Store in a cool, dry, well-ventilated area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Recommended Personal Protective Equipment:  
Respiratory Protection: Dust masks if conditions are dusty.  
Hand Protection: Impermeable gloves  
Eye Protection: Protective glasses or goggles

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White powder.  
Odour: Slight  
Other Data: None relevant for safety

## 10. STABILITY AND REACTIVITY

This preparation is stable under normal conditions of use.  
Conditions to avoid: None  
Materials to avoid: None  
Hazardous Decomposition Products: None.

## 11. TOXICOLOGICAL INFORMATION

Non available

## 12. ECOLOGICAL INFORMATION

No information available

## 13. DISPOSAL CONSIDERATIONS

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the EWC.

## 14. TRANSPORT INFORMATION

UN N°	3260	Corrosive Solid Acidic Inorganic N.O.S. (contains potassium monopersulphate)
Primary Hazard	Class 8	Corrosive
Packing Group	III	
H.I. Number	80	
Emergency action code	2X	

## 15. REGULATORY INFORMATION

Labelling:	C	Corrosive
Risk phrases:	R22	Harmful if swallowed
	R34	Causes burns
Safety phrases:	S24/25	Avoid contact with skin and eyes.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S36	Wear suitable protective clothing.

## 16. OTHER INFORMATION

The information contained in this MSDS, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee. Since the conditions of use are beyond control of our company, it is the responsibility of the user to determine the conditions of safe use of this preparation. The information in this sheet does not represent analytical specifications.

# MATERIAL SAFETY DATA SHEET: Farm-Gard

Issue N<sup>o</sup>: 1 Issue Date: 14/12/2006

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Commercial Product Name: FARMGARD  
Description: DEFRA Approved Liquid Disinfectant  
Responsible Company: Farm Care GB Ltd.  
336 Waterloo Quay, Waterloo Road,  
Liverpool L3 0BT, UK  
Contact Details: Tel: +66 872771060  
Fax: +66 76 256561  
info@farmcaregb.com  
www.farmcaregb.com

## 2. INFORMATION ON INGREDIENTS

Hazardous Ingredients:

Chemical	Classification	% Conc.	CAS N <sup>o</sup>	Exposure
tar acids, polyalkylphenol fraction	T;C;Xi;N R24/25, R34, R43, R51/53	30 - 45	84989-05-9	OES 22mg/m <sup>3</sup> recommended (8hour TWA Ref Period)
acetic acid	C, R34, R22, R10	30 - 40	64-19-7	OES 25mg/m <sup>3</sup> (8hour TWA Ref Period)
dodecyl benzene sulfonic acid	C;Xn R34, R22	15 - 30	85117-49-3	None assigned
M-Cresol	T;C; R24/25, R34, R52/53	1 - 5	1319-77-3	OES 22mg/m3 recommended (8hour TWA Ref Period)

## 3. HAZARDS IDENTIFICATION

Emergency Overview

Description: A blend of tar acids, organic acids and surfactants.

Appearance: Dark brown liquid.

Potential Health Effects

Environmental Hazards: Toxic to aquatic organisms. May cause long-term adverse effects in the environment.

Human Health hazards: Causes burns. Toxic in contact with skin and if swallowed. May cause sensitisation by skin contact.

## 4. FIRST AID MEASURES

*Symptoms* First Aid

Skin Contact: Burning sensation: Immediate thorough swabbing with 70:30 glycerol:methylated spirits is preferred but in the absence of this, Drench skin with plenty of water. Remove contaminated clothing and wash before reuse. Seek medical attention.

Eye Contact: Severe damage may occur: Rinse eyes with plenty of clean water for at least 15 minutes. Seek medical attention immediately.

Ingestion: Burns to throat and upper digestive tract: Do not induce vomiting. Rinse out mouth and throat thoroughly with water. Drink water. Seek urgent medical attention.

Inhalation: Severe irritation of nose: Remove from exposure. If symptoms

persist seek throat and lungs-coughing medical attention.

## 5. FIRE FIGHTING MEASURES

Suitable Fire Extinguishing Media: Water spray, Foam, Dry chemical  
Special Precautions: Do not breathe smoke or fumes. Fire fighting personnel are required to wear self-enclosed breathing apparatus in the event of a fire involving FARM-GARD since SO<sub>2</sub>, CO<sub>2</sub>, CO and other toxic gases are evolved at high temperatures.

## 6. ACCIDENTAL RELEASE MEASURES

Wear suitable protective equipment (see section 8). Do not let product enter drains or watercourses. Absorb with sand or earth, shovel into suitable containers for disposal. Flush away traces with water after cleaning. Ensure washings do not enter surface drains.

## 7. HANDLING AND STORAGE

Store in a cool dry place away from direct sunlight. Do not eat, drink or smoke when handling this product. Wear protective clothing (see section 8)

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Appropriate local exhaust ventilation (LEV) measures should be used in cases where vapour build up occurs during handling of the concentrate.

Control parameters: 22mg/m3 as total phenols

Recommended Personal Protective Equipment:

Respiratory Protection: Mask with:  
a) Cartridge type AE (organic vapour / acid gas) for handling concentrate.  
b) AEP (organic vapour/acidgas/particulate filter) for spraying application of diluted product.

Hand Protection: Impermeable gloves

Eye Protection: Protective glasses or goggles to BS EN 166 standard.

Skin: Chemically resistant overalls, rubber boots

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brown liquid.

pH: < 2.0 (1% solution)

Odour: Acetic acid and coal tar

Solubility: Forms emulsion with water.

Other Data: None relevant for safety.

## 10. STABILITY AND REACTIVITY

This preparation is stable under normal conditions of use.

Conditions to avoid: Excessive heat, direct sunlight.

Materials to avoid: Oxidising agents and strong bases.

Hazardous Decomposition Products: During combustion, sulphur dioxide, carbon monoxide and carbon dioxide may be produced.

## 11. TOXICOLOGICAL INFORMATION

Corrosive to skin and eyes.

Toxic by skin contact and if swallowed.

## 12. ECOLOGICAL INFORMATION

Toxic to aquatic organisms.

Not expected to be readily biodegradable.

FARMG-GARD diluted to a level of 1:30,000 has been shown to have no effect on the BOD 5-day test.

## 13. DISPOSAL CONSIDERATIONS

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the EWC.

## 14. TRANSPORT INFORMATION

UN No.	2922	Corrosive Liquid, Toxic, N.O.S. (tar acids;polyalkyl phenol fraction)
Primary Hazard	Class 8	Corrosive
Subsidiary Hazard	Class 6.1	Toxic
Packing Group	II	
H.I. Number	86	
Marine Pollutant	Yes	

## 15. REGULATORY INFORMATION

EEC Classification: CORROSIVE, TOXIC, DANGEROUS TO THE ENVIRONMENT

Hazard Labelling: C Corrosive  
T Toxic

Risk Phrases: R24/25 Toxic in contact with skin and if swallowed  
R10 Flammable  
R34 Causes burns  
R43 May cause sensitisation by skin contact  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the environment.

Safety Phrases: S2 Keep out of reach of children  
S13 Keep away from food, drink and animal feedstuffs.  
S26 In case of contact with eyes, rinse immediately with plenty of water.  
S45 In case of accident or if you feel unwell, seek medical advice immediately 9 show label where possible)

## 16. OTHER INFORMATION

The information contained in this MSDS, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee. Since the conditions of use are beyond control of our company, it is the responsibility of the user to Determine the conditions of safe use of this preparation. The information in this sheet does not represent analytical specifications, for which please refer to our Product Data Sheet.

# MATERIAL SAFETY DATA SHEET: Gluta-Gard

Issue N°: 1 Issue Date: 14/12/2006

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Commercial Product Name: GLUTA-GARD  
Description: Liquid Detergent/Disinfectant  
Responsible Company: Farm Care GB Ltd.  
336 Waterloo Quay, Waterloo Road,  
Liverpool L3 0BT, UK  
Contact Details: Tel: +66 872771060  
Fax: +66 76 256561  
info@farmcaregb.com  
www.farmcaregb.com

## 2. INFORMATION ON INGREDIENTS

Hazardous Ingredients:

Chemical	Classification	% Conc.	CAS N°	Exposure
cocoalkyl dimethylbenzyl ammonium chloride	C; R21/22 R34N; R50	15 - 25	68391-01-5	None assigned
glutaraldehyde 50%	T; R23/25, C; R34, R42/43	20 - 40	000111-30-8	STEL 0.2ppm 0.7 mg/m3

## 3. HAZARDS IDENTIFICATION

Emergency Overview

Description: Concentrated animal health disinfectant.

Appearance: Clear amber liquid.

Potential Health Effects

Human Health Hazards: Causes burns, harmful by inhalation and if swallowed, may cause sensitisation by inhalation and skin contact.

## 4. FIRST AID MEASURES

Symptoms: First Aid

Skin Contact: Causes burns: Remove contaminated clothing and wash before reuse. Rinse skin with plenty of water. Seek medical attention if symptoms persist.

Eye Contact: Causes burns. Rinse eyes with plenty of clean water for at least 15 minutes. Seek medical attention immediately.

Ingestion: Burns to mouth, throat, upper digestive tract and stomach. Do not induce vomiting. Rinse out mouth and throat thoroughly with water. Drink warm water. Seek medical attention.

Inhalation: May cause irritation and burning to nose throat and respiratory tract through inhalation of spray mists of the diluted product. Remove from exposure and keep at rest. If symptoms persist, seek medical advice.

## 5. FIRE FIGHTING MEASURES

Suitable Fire Extinguishing Media: Water spray, Foam, Dry chemical, CO2

Special precautions: Avoid naked flames. Fire-fighters should wear self-contained breathing apparatus. May produce toxic fumes in a general conflagration.

## 6. ACCIDENTAL RELEASE MEASURES

Wear suitable protective equipment (see section 8). Do not let product enter drains or watercourses. Absorb with sand or earth, shovel into suitable containers for disposal. Flush away traces with water after cleaning. Ensure washings do not contaminate water courses or sewers.

## 7. HANDLING AND STORAGE

Store in a cool dry place away from other chemicals. Protect from extreme temperatures. Do not eat, drink or smoke when handling this product. Keep container tightly closed when not in use. Wear protective clothing (see section 8) when diluting this product. Avoid inhalation of vapour and contact with skin and eyes.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: No specific measures required provided the product is handled according to general safety procedures.

Control parameters: None assigned

Recommended Personal Protective Equipment:

Respiratory Protection: When working in spray mists of the concentrate or diluted product, the use of a respiratory mask, fitted with an organic vapour/particulate filter unit is recommended, particularly where ventilation is considered to be poor and/or when operating in enclosed areas.

Hand Protection: Impermeable gloves

Eye Protection: Protective glasses or goggles to BS EN 166 standard.

Skin: Chemically resistant overalls, rubber boots.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear amber liquid.

Odour: Fragrant, aromatic

Solubility: Miscible with water.

Other Data: None relevant for safety.

## 10. STABILITY AND REACTIVITY

This preparation is stable under normal conditions of use.

Conditions to avoid: Excessive heat.

Materials to avoid: Acids, alkalis, aluminium.

Hazardous Decomposition Products: None in normal use.

## 11. TOXICOLOGICAL INFORMATION

Repeated skin contact with concentrate may cause allergic contact dermatitis. Harmful if swallowed.

May aggravate existing asthmatic conditions.

## 12. ECOLOGICAL INFORMATION

Bioaccumulation is not expected.

The ammonium compound has a biological degradability of greater than 90% (EEC 82/243)

## 13. DISPOSAL CONSIDERATIONS

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the EWC.

## 14. TRANSPORT INFORMATION

UN N°	3265	Corrosive Liquid, Acidic, Organic, N.O.S. (glutaraldehyde, alkyl dimethyl benzylammonium chloride)
Primary Hazard	Class 8	Corrosive
Packing Group	II	
H.I. N°	80	
Emergency action code	2X	

## 15. REGULATORY INFORMATION

EEC Classification: CORROSIVE

Hazard Labelling: C

Risk Phrases: R20/22 Harmful by inhalation and if swallowed.

R34 Causes burns.

R42/43 May cause sensitisation by inhalation and skin contact.

Safety Phrases: S2 Keep out of reach of children

S13 Keep away from food, drink and animal feedstuffs.

S26 In case of contact with eyes, rinse immediately with plenty of water.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately and show label where possible)

## 16. OTHER INFORMATION

The information contained in this MSDS, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee. Since the conditions of use are beyond control of our company, it is the responsibility of the user to Determine the conditions of safe use of this preparation. The information in this sheet does not represent analytical specifications, for which please refer to our Product Data Sheet.

# MATERIAL SAFETY DATA SHEET: Hatch-Gard

Issue N<sup>o</sup>: 1 Issue Date: 14/12/2006

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Commercial Product Name: HATCH-GARD

Description Liquid Detergent/Disinfectant

Responsible Company: Farm Care GB Ltd.  
336 Waterloo Quay, Waterloo Road,  
Liverpool L3 0BT, UK

Contact Details  
Tel: +66 872771060  
Fax: +66 76 256561  
info@farmcaregb.com  
www.farmcaregb.com

## 2. INFORMATION ON INGREDIENTS

Hazardous Ingredients:

Chemical	Classification	% Conc.	CAS N <sup>o</sup>	Exposure
cocoalkyl dimethylbenzyl ammonium chloride	C; R21/22 R34 N; R50	10 - 20	68391-01-5	None assigned

## 3. HAZARDS IDENTIFICATION

Emergency Overview

Description Microbiocide with a nonionic surfactant.

Appearance: Straw Coloured Liquid

Potential Health Effects

Human Health Hazards: Causes burns, harmful if swallowed

## 4. FIRST AID MEASURES

Symptoms First Aid

Skin Contact: Irritating. Remove contaminated clothing and wash before reuse. Rinse skin with plenty of water.

Eye Contact: Irritating: Rinse eyes with plenty of clean water for at least 15 minutes. Seek medical attention immediately.

Ingestion: Irritation to throat, upper digestive tract and stomach: Do not induce vomiting. Rinse out mouth and throat thoroughly with water. Drink water or milk. Seek medical attention.

Inhalation: May cause irritation to nose, throat and respiratory tract through inhalation of spray mists of the diluted product. Remove from exposure and keep at rest. If symptoms persist, seek medical advice.

## 5. FIRE FIGHTING MEASURES

Suitable Fire Extinguishing Media: Water spray, Foam, Dry chemical, CO<sub>2</sub>

Special precautions: Avoid naked flames. Fire-fighters should wear self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

Wear suitable protective equipment (see section 8). Do not let product enter drains or watercourses. Absorb with sand or earth, shovel into suitable containers for disposal. Flush away traces with water after cleaning. Ensure washings do not enter surface drains.

## 7. HANDLING AND STORAGE

Store in a cool dry place away from other chemicals. Protect from extreme temperatures. Do not eat, drink or smoke when handling this product. Wear protective clothing (see section 8)

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: No specific measures required provided the product is handled according to general safety procedures.

Control parameters: None assigned

Recommended Personal Protective Equipment:

Respiratory Protection: None required when handling the product concentrate under normal usage conditions. When working in spray mists of the diluted product, the use of a respiratory mask, fitted with an organic vapour/particulate filter unit is recommended, particularly where ventilation is considered to be poor and/or when operating in enclosed areas.

Hand Protection: Impermeable gloves

Eye Protection: Protective glasses or goggles to BS EN 166 standard.

Skin: Chemically resistant overalls, rubber boots.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Straw coloured liquid

Odour: No Characteristic odour.

Solubility: Miscible with water.

Other Data: None relevant for safety.

## 10. STABILITY AND REACTIVITY

This preparation is stable under normal conditions of use.

Conditions to avoid: Excessive heat.

Materials to avoid: Oxidising agents

Hazardous Decomposition Products: During combustion, carbon and nitrogen oxides, NH<sub>3</sub> may be produced.

## 11. TOXICOLOGICAL INFORMATION

Causes burns.

## 12. ECOLOGICAL INFORMATION

Bioaccumulation is not expected.

The ammonium compound has a biological degradability of greater than 90% (EEC 82/243)

## 13. DISPOSAL CONSIDERATIONS

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the EWC.

## 14. TRANSPORT INFORMATION

UN No. 1760 Corrosive Liquid N.O.S. (alkyl dimethyl benzylammonium

chloride)

Primary Hazard Class 8 Corrosive

Packing Group III

H.I. Number 80

Emergency action code 2X

## 15. REGULATORY INFORMATION

EEC Classification: CORROSIVE

Hazard Labelling: C Corrosive

Risk Phrases: R34 Causes burns.

R22 Harmful if swallowed

Safety Phrases: S2 Keep out of reach of children

S13 Keep away from food, drink and animal feedstuffs.

S26 In case of contact with eyes, rinse immediately with plenty of water.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (9 show label where possible)

## 16. OTHER INFORMATION

The information contained in this MSDS, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee.

Since the conditions of use are beyond control of our company, it is the responsibility of the user to Determine the conditions of safe use of this preparation. The information in this sheet does not represent analytical specifications, for which please refer to our Product Data Sheet.

Issue Date: 19/12/05

# MATERIAL SAFETY DATA SHEET: Quat-Gard

Issue N<sup>o</sup>: 1 Issue Date: 14/12/2006

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Commercial Product Name: Quat-Gard  
Description: Liquid Detergent.Sanitiser  
Responsible Company: Farm Care GB Ltd.  
336 Waterloo Quay, Waterloo Road,  
Liverpool L3 0BT, UK  
Contact Details: Tel: +66 872771060  
Fax: +66 76 256561  
info@farmcaregb.com  
www.farmcaregb.com

## 2. INFORMATION ON INGREDIENTS

Hazardous Ingredients:

Chemical	Classification	% Conc.	CAS N <sup>o</sup>	Exposure
propan-2-ol	F; R11; Xi; R36, R67	5 – 10	67-63-0	OES 500ppm recommended (15minute Ref Period)
quaternary ammonium compounds, C12-C16-alkyldimethyl, chlorides	C; R34; Xn; R22; N; R50	8 – 20	68424-85-1	None assigned

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

Description: Quaternary ammonium biocide with a nonionic surfactant.

### Potential Health Effects

Environmental Hazards: Harmful to aquatic organisms.

Human Health Hazards: Irritating to skin

Harmful if swallowed.

Risk of serious damage to eyes.

## 4. FIRST AID MEASURES

Symptoms	First Aid
Skin Contact:	May cause irritation. May defat skin.Remove contaminated clothing and wash before reuse Rinse skin with plenty of water.
Eye Contact	Severe damage may occur. Rinse eyes with plenty of clean water for at least 15 minutes. Seek immediate medical attention.
Ingestion	Severe irritation to throat , upper digestive tract and stomach: Do not induce vomiting. Rinse out mouth and throat thoroughly with water. Drink water or milk. Seek medical attention.
Inhalation	May cause irritation to nose, throat and respiratory tract through inhalation of spray mists of the diluted product. Remove from exposure and keep at rest. If symptoms persist, seek medical advice.

## 5. FIRE FIGHTING MEASURES

Suitable Fire Extinguishing Media: Water spray, Foam, Dry chemical, CO<sub>2</sub>

Special precautions

Avoid naked flames. Fire-fighters should wear self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

Wear suitable protective equipment (see section 8). Do not let product enter drains or watercourses. Absorb with sand or earth, shovel into suitable containers for disposal. Flush away traces with water after cleaning. Ensure washings do not enter surface drains.

## 7. HANDLING AND STORAGE

Store in a cool dry place away from other chemicals. Protect from frost.

Do not eat, drink or smoke when handling this product.

Wear protective clothing (see section 8)

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: No specific measures required provided the product is handled according to general safety procedures.

Control parameters: None assigned

Recommended Personal Protective Equipment:

Respiratory Protection: None required when handling the product concentrate under normal usage conditions. when working in spray mists of the diluted product, the use of a respiratory mask, fitted with an organic vapour/particulate filter unit is recommended, particularly where ventilation is considered to be poor and/or when operating in enclosed areas.

Hand Protection: Impermeable gloves

Eye Protection: Protective glasses or goggles to BS EN 166 standard.

Skin: Chemically resistant overalls, rubber boots.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear blue liquid.

pH: Approx 7.5 (1% solution @ 20°C)

Odour: Faint alcoholic / lemon

Solubility: Miscible with water.

Other Data: None relevant for safety.

## 10. STABILITY AND REACTIVITY

This preparation is stable under normal conditions of use.

Conditions to avoid: Excessive heat. Do not allow to freeze.

Materials to avoid: Soaps.

Hazardous Decomposition Products: During combustion, carbon and nitrogen oxides, NH<sub>3</sub> may

be produced.

## 11. TOXICOLOGICAL INFORMATION

Irritating to skin and may cause serious damage to eyes.

Harmful if swallowed

## 12. ECOLOGICAL INFORMATION

Toxic to aquatic organisms.

Bioaccumulation is not expected.

The quaternary ammonium compound has a biological degradeability of greater than 90% in the OECD confirmatory test.

## 13. DISPOSAL CONSIDERATIONS

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the EWC.

## 14. TRANSPORT INFORMATION

Not classified as hazardous for transport in accordance with current IATA and IMDG Code Regulations and International Carriage of Dangerous Goods by Road Regulations 2005.

## 15. REGULATORY INFORMATION

EEC Classification: HARMFUL

Hazard Labelling: Xn HARMFUL

Risk Phrases: R22 Harmful if swallowed.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R52 Harmful to aquatic organisms.

Safety Phrases: S2 Keep out of reach of children

S13 Keep away from food, drink and animal feedstuffs.

S26 In case of contact with eyes, rinse immediately with plenty of water.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

## 16. OTHER INFORMATION

The information contained in this MSDS, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee.

Since the conditions of use are beyond control of our company, it is the responsibility of the user to Determine the conditions of safe use of this preparation. The information in this sheet does not represent analytical specifications, for which please refer to our Product Data Sheet.

# Material Safety Data Sheet: Ultra-Gard

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Commercial Product Name: Ultra-Gard

Description: Liquid Disinfectant

Responsible Company: Farm Care GB Ltd.  
336 Waterloo Quay, Waterloo Road,  
Liverpool L3 0BT, UK

Contact Details  
Tel: +66 872771060  
Fax: +66 76 256561  
info@farmcaregb.com  
www.farmcaregb.com

## 2. INFORMATION ON INGREDIENTS

Hazardous Ingredients:

Chemical	Classification	% Conc.	CAS N°	Exposure
tar acids,	T;C;Xi;N R24/25,	30 - 45	84989-05-9	OES 22mg/m3 recommended (8hour TWA Ref Period)
polyalkylphenol fraction	R34, R43, R51/53			
dodecyl benzene sulfonic acid	C;Xn R34, R22	15 - 30	85117-49-3	None assigned
M-Cresol	T;C; R24/25, R34, R52/53	1 - 5	1319-77-3	OES 22mg/m3 recommended (8hour TWA Ref Period)

## 3. HAZARDS IDENTIFICATION

*Emergency Overview*

Description: A blend of tar acids, organic acids and surfactants.

*Potential Health Effects*

Environmental Hazards: Toxic to aquatic organisms. May cause long-term adverse effects in the environment.

Human Health Hazards: Causes burns. Toxic in contact with skin and if swallowed. May cause sensitisation by skin contact.

## 4. FIRST AID MEASURES

*Symptoms First Aid*

Skin Contact: Burning sensation. Immediate thorough swabbing with 70:30 glycerol:methylated spirits is preferred but in the absence of this, drench skin with plenty of water. Remove contaminated clothing and wash before reuse. Seek medical attention.

Eye Contact: Severe damage may occur. Rinse eyes with plenty of clean water for at least 15 minutes. Seek immediate medical attention.

Ingestion: Burns to throat and upper digestive tract. Do not induce vomiting. Rinse out mouth and throat thoroughly with water. Drink water. Seek urgent medical attention.

Inhalation: Severe irritation of nose, throat and lungs. Remove from exposure. If symptoms persist seek medical attention.

## 5. FIRE FIGHTING MEASURES

Suitable Fire Extinguishing Media: Water spray, Foam, Dry chemical

Special precautions: Do not breathe smoke or fumes. Fire fighting personnel are required to wear self-enclosed breathing apparatus in the event of a fire involving Ultra-Gard since SO<sub>2</sub>, CO<sub>2</sub>, CO and other toxic gases are evolved at high temperatures.

## 6. ACCIDENTAL RELEASE MEASURES

Wear suitable protective equipment (see section 8). Do not let product enter drains or watercourses. Absorb with sand or earth, shovel into suitable containers for disposal. Flush away traces with water after cleaning. Ensure washings do not enter surface drains.

## 7. HANDLING AND STORAGE

Store in a cool dry place away from direct sunlight.  
Do not eat, drink or smoke when handling this product.  
Wear protective clothing (see section 8)

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Appropriate local exhaust ventilation (LEV) measures should be used in cases where vapour build up occurs during handling of the concentrate.

Control parameters: 22mg/m<sup>3</sup> as total phenols

Recommended Personal Protective Equipment:

Respiratory Protection: Mask with:  
a) Cartridge type AE (organic vapour / acid gas) for handling concentrate.  
b) AEP (organic vapour/acidgas/particulate filter) for spraying application of diluted product.

Hand Protection: Impermeable gloves

Eye Protection: Protective glasses or goggles to BS EN 166 standard.

Skin: Chemically resistant overalls, rubber boots.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Dark Brown liquid.

pH: < 2.0 (1% solution)

Odour: Tarry Odour

Solubility: Forms emulsion with water.

Other Data: None relevant for safety.

## 10. STABILITY AND REACTIVITY

This preparation is stable under normal conditions of use.

Conditions to avoid: Excessive heat, direct sunlight.

Materials to avoid: Oxidising agents and strong bases.

Hazardous Decomposition Products: During combustion, sulphur dioxide, carbon monoxide and carbon dioxide may be produced.

# Issue N°: 1 Issue Date: 25/3/2006

## 11. TOXICOLOGICAL INFORMATION

Corrosive to skin and eyes.

Toxic by skin contact and if swallowed.

## 12. ECOLOGICAL INFORMATION

Toxic to aquatic organisms.

Not expected to be readily biodegradable.

ULTRA-GARD diluted to a level of 1:30,000 has been shown to have no effect on the BOD 5-day test.

## 13. DISPOSAL CONSIDERATIONS

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the EWC.

## 14. TRANSPORT INFORMATION

UN No.	2922	Corrosive Liquid, Toxic, N.O.S. (tar acids;polyalkyl phenol fraction)
Primary Hazard	Class 8	Corrosive
Subsidiary Hazard	Class 6.1	Toxic
Packing Group	II	
H.I. Number	86	
Marine Pollutant	Yes	

## 15. REGULATORY INFORMATION

EEC Classification: CORROSIVE, TOXIC, DANGEROUS TO THE ENVIRONMENT Hazard

Labelling:	C	Corrosive
	T	Toxic
Risk Phrases:	R24/25	Toxic in contact with skin and if swallowed
	R10	Flammable
	R34	Causes burns
	R43	May cause sensitisation by skin contact
	R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the environment.
Safety Phrases:	S2	Keep out of reach of children
	S13	Keep away from food, drink and animal feedstuffs.
	S26	In case of contact with eyes, rinse immediately with plenty of water.
	S45	In case of accident or if you feel unwell, seek medical advice immediately 9 show label where possible)

## 16. OTHER INFORMATION

The information contained in this MSDS, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee. Since the conditions of use are beyond control of our company, it is the responsibility of the user to Determine the conditions of safe use of this preparation. The information in this sheet does not represent analytical specifications, for which please refer to our Product Data Sheet.

# MATERIAL SAFETY DATA SHEET: Para-Gard

Issue N<sup>o</sup>: 1 Issue Date: 14/12/2006

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Commercial Product Name: Para-Gard  
Description: Fumigating Agent for Livestock Disinfection  
Responsible Company: Farm Care GB Ltd.  
336 Waterloo Quay, Waterloo Road,  
Liverpool L3 0BT, UK  
Contact Details  
Tel: +66 872771060  
Fax: +66 76 256561  
info@farmcaregb.com  
www.farmcaregb.com

## 2. INFORMATION ON INGREDIENTS

Composition: A powder containing prilled 93% active paraformaldehyde.  
Chemical Classification % Conc.  
Paraformaldehyde e C, R8, R34 93%

## 3. HAZARDS IDENTIFICATION

Skin: May cause burns on prolonged or repeated contact.  
Eyes: Burning of eyes and cause conjunctival irritation.  
Inhalation: Irritation on nose, throat, and respiratory tract.  
Ingestion: Harmful if swallowed, causes nausea and vomiting.

## 4. FIRST AID MEASURES

Skin Contact: Wash skin with plenty of water.  
Eye Contact: Rinse eyes with plenty of clean water for at least ten minutes.  
Seek medical advice if symptoms persist.  
Ingestion: Rinse out mouth with water. Do not induce vomiting. Seek medical advice.

## 5. FIRE FIGHTING MEASURES

Protection Against Fire and Explosions: Wear self-contained breathing apparatus.  
Suitable Fire Extinguishing Media: Foam, CO<sub>2</sub>  
Non Suitable Media: None  
Special precautions: None

## 6. ACCIDENTAL RELEASE MEASURES

Spilled product may be swept up into suitable containers for recovery or disposal.  
Avoid creating a dust. Finally flush area with plenty of water.

## 7. HANDLING AND STORAGE

Use in a ventilated area. Avoid creating a dust. Store in a cool, dry, well-ventilated area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Recommended Personal Protective Equipment:  
Respiratory Protection: Wear self contained breathing apparatus if conditions are dusty.  
Hand Protection: Impermeable gloves.  
Eye Protection: Protective glasses or goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White Granules (Prills)  
Odour: Characteristic Pungent Odour  
Flash Point : 70oc  
PH (10% Solution) : 3.5 – 6.5

## 10. STABILITY AND REACTIVITY

This preparation is stable under normal conditions of use.  
Conditions to avoid: Extreme of temperature.  
Materials to avoid: Aluminium, Zinc or other alloys.  
Hazardous Decomposition Products: Formaldehyde gas.

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity: : Irritating to eyes and mucous membranes.  
Inhalation : Irritating.  
Skin Contact: Inflammatory Dermatitis.  
Eye Contact: Causes burns.  
Ingestion: Harmful if swallowed.

## 12. ECOLOGICAL INFORMATION

Persistence and Degradability : The product is readily biodegradable.  
Bio accumulation : Product is not expected to bio-accumulate.

## 13. DISPOSAL CONSIDERATIONS

No special disposal method required, except that in accordance with local authority regulations.

## 14. TRANSPORT INFORMATION

UN N<sup>o</sup>: 2213  
EEC Regulation: C, Corrosive Solid (Paraformaldehyde)  
Primary Hazard: Corrosive  
IMCO Class: 4.1  
Packing Group: III

## 15. REGULATORY INFORMATION

Labelling: C Corrosive  
Risk phrases R8 Contact with combustible material may cause fire.  
R22 Harmful if swallowed.  
R34 Causes burns.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the environment.  
Safety phrases: S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36 Wear suitable protective clothing.

## 16. OTHER INFORMATION

The information contained in this MSDS, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee. Since the conditions of use are beyond control of our company, it is the responsibility of the user to Determine the conditions of safe use of this preparation. The information in this sheet does not represent analytical specifications, for which please refer to our Product Data Sheet.



# MATERIAL SAFETY DATA SHEET: Bio-Gard

Issue N<sup>o</sup>: 1 Issue Date: 5/1/2007

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Commercial Product Name: Bio-Gard  
Description: Liquid Multipurpose Heavy Duty Clean  
Responsible Company: Farm Care GB Ltd.  
336 Waterloo Quay, Waterloo Road,  
Liverpool L3 0BT, UK  
Contact Details: Tel: +66 872771060  
Fax: +66 76 256561  
info@farmcaregb.com  
www.farmcaregb.com

## 2. INFORMATION ON INGREDIENTS

Chemical	Classification	% CAS N <sup>o</sup> Conc.	Exposure
Disodium Trioxosilicate	C; R34	5 - 10	OES 500ppm recommended (15minute Ref Period)
Cocoalkyl Dimethylbenzyl Ammonium Chloride	C; R21/22 R34 N; R50	5 - 10	68391-01-5 None assigned
Fatty Alcohol Ethoxylate	Xn; R22, R36/38	1 - 10	None assigned

## 3. HAZARDS IDENTIFICATION

Emergency Overview  
Description: Microbiocide with a nonionic surfactant.  
Appearance: Clear liquid.  
Potential Health Effects  
Human Health Hazards: Irritating to skin and eyes

## 4. FIRST AID MEASURES

Symptoms First Aid  
Skin Contact: Remove contaminated clothing and wash before reuse. Rinse skin with plenty of water.  
Eye Contact: Rinse eyes with plenty of clean water for at least 15 minutes. Seek medical attention immediately.  
Ingestion: Do not induce vomiting. Rinse out mouth and throat upper digestive tract and thoroughly with water. Drink water or milk. Seek medical attention.  
Inhalation: Remove from exposure and keep at rest. If symptoms throat and respiratory tract persist, seek medical advice.

## 5. FIRE FIGHTING MEASURES

Suitable Fire Extinguishing Media: Water spray, Foam, Dry chemical, CO<sub>2</sub>  
Special precautions: Avoid naked flames. Fire-fighters should wear self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

Wear suitable protective equipment ( see section 8 ). Do not let product enter drains or watercourses. Absorb with sand or earth, shovel into suitable containers for disposal. Flush away traces with water after cleaning. Ensure washings do not enter surface drains.

## 7. HANDLING AND STORAGE

Store in a cool dry place away from other chemicals. Protect from extreme temperatures.  
Do not eat, drink or smoke when handling this product.  
Wear protective clothing ( see section 8 )

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: No specific measures required provided the product is handled according to general safety procedures.  
Control parameters: None assigned  
Recommended Personal Protective Equipment:  
Respiratory Protection: None required when handling the product concentrate under normal usage conditions. When working in spray mists of the diluted product, the use of a respiratory mask, fitted with an organic vapour/particulate filter unit is recommended, particularly where ventilation is considered to be poor and/or when operating in enclosed areas.  
Hand Protection: Impermeable gloves  
Eye Protection: Protective glasses or goggles to BS EN 166 standard.  
Skin: Chemically resistant overalls, rubber boots.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid.  
Odour: Faint  
Solubility: Miscible with water.  
Other Data: None relevant for safety.

## 10. STABILITY AND REACTIVITY

This preparation is stable under normal conditions of use.  
Conditions to avoid: Excessive heat.  
Materials to avoid: Oxidising agents  
Hazardous Decomposition Products: During combustion, carbon and nitrogen oxides, NH<sub>3</sub> may be produced.

## 11. TOXICOLOGICAL INFORMATION

Irritating to skin and eyes.

## 12. ECOLOGICAL INFORMATION

Bioaccumulation is not expected.  
The quaternary ammonium compound has a biological degradability of greater than 90% in the OECD confirmatory test.

## 13. DISPOSAL CONSIDERATIONS

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the EWC.

## 14. TRANSPORT INFORMATION

Not classified as hazardous for transport in accordance with current IATA and IMDG Code Regulations and International Carriage of Dangerous Goods by Road Regulations 2005.

## 15. REGULATORY INFORMATION

EEC Classification: IRRITANT  
Hazard Labelling: Xi IRRITANT  
Risk Phrases: R22 Harmful if swallowed.  
R36/38 Irritating to eyes and skin.  
Safety Phrases: S2 Keep out of reach of children  
S13 Keep away from food, drink and animal feedstuffs.  
S26 In case of contact with eyes, rinse immediately with plenty of water.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S45 In case of accident or if you feel unwell, seek medical advice immediately ( show label where possible )

## 16. OTHER INFORMATION

The information contained in this MSDS, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee. Since the conditions of use are beyond control of our company, it is the responsibility of the user to determine the conditions of safe use of this preparation. The information in this sheet does not represent analytical specifications, for which please refer to our Product Data Sheet.