

# MATERIAL SAFETY DATA SHEET: Quat-Gard

Issue N<sup>o</sup>: 2 Issue Date: 11/2/2008

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

Commercial Product Name: Quat-Gard  
Description: Liquid Detergent/Sanitiser  
Responsible Company: Farm Care GB Ltd.  
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## 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.