

MATERIAL SAFETY DATA SHEET: Bio-Gard

Issue N° 4 Issue Date: 16/4/2012

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Commercial Product Name: Bio-Gard
Description: Liquid Multipurpose Heavy Duty Cleaner
Responsible Company: Farm Care GB Ltd.
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2. INFORMATION ON INGREDIENTS

Chemical	Classification	% CAS N° 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, CO₂
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, NH₃ 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.