

MATERIAL SAFETY DATA SHEET: Farm-Gard

Issue N^o: 2 Issue Date: 11/2/2008

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Commercial Product Name: Farm-Gard
Description: DEFRA Approved Liquid Disinfectant
Responsible Company: Farm Care GB Ltd.
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2. INFORMATION ON INGREDIENTS

Hazardous Ingredients:

Chemical	Classification	% Conc.	CAS N ^o	Exposure
tar acids, polyalkylphenol fraction	T;C;Xi;N R24/25, R34, R43, R51/53	30 - 45	84989-05-9	OES 22mg/m ³ recommended (8hour TWA Ref Period)
acetic acid	C, R34, R22, R10	30 - 40	64-19-7	OES 25mg/m ³ (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/m ³ 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 SO₂, CO₂, 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/acid gas/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.

Farm-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.