

# MATERIAL SAFETY DATA SHEET

according to the requirements of Regulation (EC) No. 1907/2006

Product name: Hoofit

Version: 02-12

Revision Date: 15 February 2012

## Section 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier:

Product name: **Hoofit**

Pure substance/mixture: Mixture.

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Foot dipping for cattle, sheep and goats to strengthen hooves and prevent lameness.

Uses advised against: No information available.

### 1.3 Details of the supplier of the safety data sheet

**GEA Farm Technologies (UK) Ltd**

Wylle Works, Watery Lane, Bishopstrow, Warminster, Wiltshire BA12 9HT England

Telephone: +44 (0) 1985 216 444; Fax: +44 (0) 1985 216 692

For further information please contact:

Email address: info.agrosolve@gea.com

### 1.4 Emergency telephone number:

+44 (0) 870 190 6777 (GEA Farm Technologies) (24 hours, 7 days)

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to EU Directives 67/548/EEC or 1999/45/EC  
C; R34 - Xn; R22

### 2.2 Label elements



C - CORROSIVE

R-phrases

R22 - Harmful if swallowed.

R34 - Causes burns.

S-phrases

S 1/2 - Keep locked up and out of the reach of children.

S23 - Do not breathe fumes.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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 the label where possible).

### 2.3 Other information

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).  
This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

## Section 3. Composition / information on ingredients

### 3.2 Mixtures:

Chemical Name	EC-No	CAS-No	Weight %	Classification (67/548)	Classification (Reg. 1272/2008)	REACH Registration Number
Hydrogen peroxide	231-765-0	7722-84-1	10-30	Xn; R20/22 C; R35 R5 O; R8	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Skin Corr. 1A (H314) GHS03, GHS05, GHS07 (Dgr) Ox. Liq. 1 (H271)	No data available
Acetic acid	200-580-7	64-19-7	5-15	R10 C; R35	Skin Corr. 1A (H314) Flam. Liq. 3 (H226) GHS02, GHS05 (Dgr)	No data available

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Peroxyacetic acid	201-186-8	79-21-0	1-10	R10 Xn; R20/21/22 C; R35 N; R50 O; R7	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Corr. 1A (H314) Aquatic Acute 1 (H400) Flam. Liq. 3 (H226) GHS02, GHS05, GHS07, GHS09 (Dgr) Org. Perox. D (H242)	No data available
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For the full text of R-phrases and H-Statements see Section 16

## Section 4. First Aid measures

### 4.1 Description of first aid measures

- Eye contact:** Immediate medical attention is required. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.
- Skin contact:** Immediate medical attention is required. Wash off immediately with plenty of water for at least 15 minutes.
- Ingestion:** Immediate medical attention is required. Never give anything by mouth to an unconscious person. Wash out mouth with water and give 100 - 200 ml of water to drink. Do NOT induce vomiting.
- Inhalation:** Immediate medical attention is required. Remove patient from exposure, keep warm and at rest. Administer oxygen if breathing is difficult and you are trained.

### 4.2 Most important symptoms and effects, both acute and delayed:

**Main Symptoms:** Causes burns to skin and eyes. Can burn mouth, throat, and stomach. Harmful if swallowed. May cause respiratory irritation.

### 4.3 Indication of any immediate medical attention and special treatment needed

**Notes to physician:** Treat symptomatically.

## Section 5. Fire fighting measures

- 5.1 Extinguishing media** **Suitable Extinguishing Media:** Water spray.  
**Extinguishing media which shall not be used for safety reasons:** None.
- 5.2 Special hazards arising from the substance or mixture** Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. May intensify fire; oxidiser.
- 5.3 Advice for fire fighters** Wear self-contained breathing apparatus and protective suit.

## Section 6. Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures** Avoid contact with the skin and the eyes. Avoid breathing vapours or mists. Ensure adequate ventilation. For personal protection see section 8.
- 6.2 Environmental precautions** Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.
- 6.3 Methods and material for containment and cleaning up** Large spillage: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.  
Small spillage: Neutralise with soda ash. Flush area with flooding quantities of water.
- 6.4 Reference to other sections** Waste Disposal Methods: See also section 13.

## Section 7. Handling and storage

- 7.1 Precautions for safe handling** Wear acid resistant clothing and equipment. Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. See Section 8 for more detail.  
Do not eat, drink or smoke during work. Wash thoroughly after handling.

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- 7.2 Conditions for safe storage including any incompatibilities: Store in original container. Keep container tightly closed in a dry and well-ventilated place. Store separately from incompatible materials: Alkalies, sodium hypochlorite solutions, oxidising agents, organic substances, Metals and metal powders.
- 7.3 Specific end use(s) Foot dipping for cattle, sheep and goats to strengthen hooves and prevent lameness.

### Section 8. Exposure controls / personal protection

#### 8.1 Control parameters

Component	Hydrogen peroxide 7722-84-1
United Kingdom	STEL: 2 ppm STEL: 2.8 mg/m <sup>3</sup> TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>
Ireland	TWA: 1 ppm TWA: 1.5 mg/m <sup>3</sup> STEL: 2 ppm STEL: 3 mg/m <sup>3</sup>
Component	Acetic acid 64-19-7
European Union	TWA 10 ppm TWA 25 mg/m <sup>3</sup>
Ireland	TWA: 10 ppm TWA: 25 mg/m <sup>3</sup> STEL: 15 ppm STEL: 37 mg/m <sup>3</sup>

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

#### 8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction, to ensure that occupational exposure limits are not exceeded.

Personal protective equipment

Eye Protection

Tightly fitting safety goggles (EN 166).

Hand Protection

Rubber gloves (EN 374).

Skin and body protection

Wear acid resistant clothing and equipment. Wear rubber boots.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (BS EN 14387:2004+A1).

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls

Avoid release to the environment.

### Section 9. Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Physical state:

Liquid.

Odour:

Pungent.

Colour:

White.

Odour threshold:

No information available.

Property

pH

<1

Freezing Point

-30°C

Flash Point

Not flammable.

Flammability (solid, gas)

Not applicable.

Relative Density

1.1g/cm<sup>3</sup>

Water solubility

Completely miscible.

Decomposition temperature

>60°C

Explosive properties

Not explosive.

Oxidising properties

Oxidiser. Contact with other material may cause fire.

No information available for:

Melting/Freezing point; Boiling point/boiling range; Evaporation rate; Flammability limits in air; Vapour pressure; Vapour density; Solubility in other solvents; Partition coefficient: n-octanol/water; Autoignition temperature; Viscosity, kinematic; Viscosity, dynamic.

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## 9.2 Other information

No information available for:

Softening point; Molecular weight; VOC Content (%); Density; Bulk density.

## Section 10. Stability and Reactivity

- 10.1 Reactivity Reacts violently with many compounds: Alkalis, Carbonates, Sodium hypochlorite, Metals.
- 10.2 Chemical stability Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions Reacts with metals to form flammable and explosive hydrogen gas.
- 10.4 Conditions to avoid Excessive heat.
- 10.5 Incompatible materials Metals. Paint. Alkalis. Carbonates. Hypochlorite solutions.
- 10.6 Hazardous decomposition products Oxygen. Thermal decomposition can lead to release of toxic/corrosive gases and vapours: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## Section 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hydrogen peroxide	801 mg/kg (Rat)	2000 mg/kg (Rabbit) 4060 mg/kg (Rat)	2 mg/L (Rat) 4 h
Acetic acid	3310 mg/kg (Rat)	1060 mg/kg (Rabbit)	11.4 mg/L (Rat) 4 h
Peroxyacetic acid	263 mg/kg (Rat)	12000 mg/kg (Rat) 1410 µL/kg (Rabbit)	0.3 mg/L (Rat) 1 h

#### Skin corrosion / irritation

Corrosive.

#### Serious damage / eye irritation

Corrosive.

#### Mutagenicity

Not classified.

#### Carcinogenicity

Not classified.

Chemical Name	European Union	IARC
Hydrogen peroxide		Group 3

#### Reproductive toxicity

Not classified.

#### STOT - Single exposure

May cause respiratory irritation.

#### STOT - Repeated exposure

Not classified.

#### Aspiration hazard

Not classified.

#### Other information

No information available.

## Section 12. Ecological information

### 12.1 Toxicity

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Hydrogen peroxide	2.5: 72 h Chlorella vulgaris mg/L EC50	10.0-32.0: 96 h Oncorhynchus mykiss mg/L LC50 static 16.4: 96 h Pimephales promelas mg/L LC50 18-56: 96 h Lepomis macrochirus mg/L LC50 static	18 - 32: 48 h Daphnia magna mg/L EC50 Static 7.7: 24 h Daphnia magna mg/L EC50

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Acetic acid		75: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 79: 96 h <i>Pimephales promelas</i> mg/L LC50 static	47: 24 h <i>Daphnia magna</i> mg/L EC50 65: 48 h <i>Daphnia magna</i> mg/L EC50 Static
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12.2 Persistence and degradability

Readily biodegradable.

12.3 Bioaccumulative potential

Does not bioaccumulate.

Chemical Name	log Pow
Acetic acid	0

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

No information available.

## Section 13. Disposal considerations

13.1 Waste treatment methods	Waste from residues / unused products Contaminated packaging	Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.
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## Section 14. Transport information

	ADR/RID/ADN	ICAO/IATA	IMDG / IMO
14.1 UN Number:	3149	3149	3149
14.2 Proper shipping name:	HYDROGEN PEROXIDE \ AND PEROXYACETIC ACID MIXTURE: STABILISED	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE: STABILISED	HYDROGEN PEROXIDE \ AND PEROXYACETIC ACID MIXTURE: STABILISED
14.3 Transport hazard class(es)	5.1 +8	5.1 +8	5.1 +8
14.4 Packing group	II	II	II
14.5 Environmental hazards	Not Classified	Not Classified	Not Classified
14.6 Special precautions for user	Contact with metals may evolve flammable hydrogen gas		
14.7 Transport in bulk according to MARPOL73/78 and the IBC code			

## Section 15. Regulatory information

15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.  
Classification according to Regulation (EC) No 1272/2008.

15.2 Chemical safety assessment:

No information available. Chemical Safety Assessment has not been carried out.

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### Section 16. Other information

**Full text of R-phrases referred to under sections 2 and 3**

R 5 - Heating may cause an explosion.

R 7 - May cause fire.

R 8 - Contact with combustible material may cause fire.

R10 - Flammable.

R20/22 - Also harmful by inhalation and if swallowed.

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

R22 - Harmful if swallowed.

R34 - Causes burns.

R35 - Causes severe burns.

R50 - Very toxic to aquatic organisms.

**Full text of H-Statements referred to under sections 2 and 3**

H226 - Flammable liquid and vapour.

H242 - Heating may cause a fire.

H271 - May cause fire or explosion; strong oxidiser.

H302 - Harmful if swallowed.

H312 - Harmful in contact with skin.

H314 - Causes severe skin burns and eye damage.

H332 - Harmful if inhaled.

H400 - Very toxic to aquatic life.

Issuing date 15 February 2012.

Revision date 15 February 2012.

Revision note Not applicable.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.**

#### Disclaimer

The information and recommendations contained herein are based upon data believed to be up-to-date and correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information and recommendations contained herein. We accept no responsibility and disclaim all liability for any harmful effects that may be caused by (incorrect) use, handling, purchase, resale, or exposure to our product. Customers and users of our product must comply with all applicable health and safety laws, regulations, and orders. In particular, they are under an obligation to carry out a risk assessment for the particular work places and to take adequate risk management measures in accordance with the national implementation legislation of EU Directives 89/391 and 98/24.