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MID STATES WOOL

P.02

**SAFETY DATA SHEET**  
According to EC Regulations 1907/2006 & 1272/2008

**Footmaster**

**SECTION 1: IDENTIFICATION OF THE PREPARATION AND THE COMPANY UNDERTAKING**

1.1 **Product Name:** Footmaster (violet)  
 1.2 **Identified uses:** Veterinary hygiene. Foot disinfection spray.  
**Uses advised against:** -  
 1.3 **Details of supplier of sds:** Nettex, Units 1 -2 Hoo Industrial Est, Vicarage Lane  
 Hoo, Rochester, Kent ME3 9LB (ph 01634 257150)  
 info@net-tex.co.uk  
 1.4 **E Mail (competent person):** info@net-tex.co.uk  
**Emergency Telephone:** +44 (0)1634 257150 (09.00 -17.00 GMT Monday to Friday)

**SECTION 2: HAZARDS IDENTIFICATION**

2.1 **Classification of the substance /mixture:**  
 2.1.1 **Regulation EC 1272/2008:**  
 Aerosol (cat 1) Extremely flammable

2.2 **Label elements:**



**Signal word(s):** Danger

**Hazard statements:**

H222 Extremely flammable aerosol  
 H229 Pressurised container: may burst if heated  
 H412 Harmful to aquatic life with long lasting effects

**Precautionary statements:**

P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking  
 P211 Do not spray on an open flame or other ignition source.  
 P251 Pressurised container – do not pierce or burn, even after use  
 P261 Avoid breathing vapour/spray.  
 P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C

2.3 **Other hazards**

The mixture does not contain any vPvB or PBT substances.  
 Danger of bursting (explosion) when heated over 50°C.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

3.2 **Mixture:**

HAZARDOUS INGREDIENTS	%W/W	CAS No EC No	REACH REG NO	HAZARD PICT/STATEMENTS
Hydrocarbon aerosol propellant (<0.1 butadiene)	25-50	68476-85-7 270-704-2	N/A	Flam gas1, H220
TDSA (contains Ethanol /Methanol)	40-60	(Mixture)	N/A	Flam liq 2 H225 Acute tox4- H302/312/332 Eye irritant2 H319 STOT SE H371

Ethanediol	1-10	107-21-1 203-473-3	01-2119458816-28	Acute tox 4 H302 STOT RE 2, H373
Butoxyethanol	<3	111-76-2 203-805-0	01-2119475108-36	Acute tox4-H302/312/332 Skin irritant 2 H315 Eye irritant 2 H319
2-benzyl-4-chlorophenol	<1	120-32-1 204-365-8		Skin irritant 2 H315 Eye damage1 H318 Aquat acute 1 H400 Aquat chronic 1 H410

**3.3 Additional information**

See sect 16 for full text of H phrases.

**SECTION 4. FIRST AID MEASURES**

Ethanediol	1-10	107-21-1 203-473-3	01-2119456816-28	Acute tox 4 STOT RE 2,	H302 H373
Butoxyethanol	<3	111-76-2 203-905-0	01-2119475108-36	Acute tox4-H302/312/332 Skin irritant 2 Eye Irritant 2	H315 H315 H319
2-benzyl-4-chlorophenol	<1	120-32-1 204-385-8		Skin irritant 2 Eye damage1 Aquat acute 1 Aquat chronic 1	H315 H318 H400 H410

**3.3 Additional information**

See sect 16 for full text of H phrases.

**SECTION 4. FIRST AID MEASURES****4.1 Description of first aid measures:**

**Eyes:** Remove contact lenses. Rinse with water immediately for at least 10 minutes. Obtain medical attention.

**Skin:** Remove severely contaminated clothing. Wash with soap and water. Obtain medical attention if any discomfort occurs.

**Inhalation:** Move to fresh air. Provide rest and warmth. If effects occur, obtain medical attention.

**Ingestion:** If swallowed, drink plenty of water. Do not induce vomiting. Obtain immediate medical attention.

**4.2 Most important symptoms and effects, both acute and delayed.**

The following symptoms may be apparent depending upon the routes of absorption as detailed in 4.1 above; eye irritation, headache, nausea, dizziness, respiratory tract irritation. Skin irritation. Resultant acute /long-term effect to the CNS, dermatitis, vomiting, diarrhoea and are further detailed in sect 11

**4.3 Indication of any immediate medical attention and special treatment needed.**

Excessive exposure may aggravate pre-existing asthmatic and other respiratory disorders.

**SECTION 5. FIRE FIGHTING MEASURES****5.1 Extinguishing media:**

Suitable extinguishing media: Powder, alcohol resistant foam, CO2, dry chemicals.  
Unsuitable extinguishing media: Water stream

**5.2 Special hazards arising from the substance or mixture**

May produce oxides of Carbon and other combustion products. Danger of explosion when heated. Contents will add to fuelling of fire. Solvent vapours may form explosive mixtures with air.

**5.3 Advice for firefighters**

Wear SCBA. Keep containers cool by spraying with water. Ventilate closed spaces before entering

**SECTION 6. ACCIDENTAL RELEASE MEASURES:****6.1 Personal precautions, protective equipment and emergency procedures**

Remove possible sources of ignition. Ensure sufficient ventilation. Wear suitable protective equipment as in Sect 8.

**6.2 Environmental precautions.**

Prevent from entering drainage systems or water courses.

**6.3 Methods and material for containment and clearing**

If spray or gas escapes, ensure plenty of fresh air / ventilation. Absorb spilled contents on inert material such as sand or earth - collect and dispose of as in Sect 13.

**6.4 Reference to other sections**

For PPE and disposal see sections 8 and 13 respectively.

**SECTION 7. HANDLING AND STORAGE:****7.1 Precautions for safe handling**

Only use in areas with good ventilation. Avoid eye contact. Keep away from any sources of ignition – No smoking. Wash hands after use and before eating. Remove contaminated clothing.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, ventilated area. Keep protected from direct sunlight and temperatures above 50°C.

**7.3 Specific end use(s)**

Veterinary hygiene, feet of livestock.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION****8.1 Control parameters**

Workplace exposure limits

Ingredients	LTEL 8 Hr	STEL 15 min	Note
Hydrocarbon aerosol propellant (<0.1 butadiene)	1000 ppm	1250 ppm	EH40
TDSA (Ethanol)	1000ppm	-	WEL
TDSA (Methanol)	200mg/m <sup>3</sup> (skin)	250mg/m <sup>3</sup> (skin)	WEL
Ethanediol	52mg/m <sup>3</sup> (skin)	104mg/g <sup>3</sup> (skin)	WEL
Butoxyethanol	25ppm	50ppm	WEL

Biological limit value - Not established  
PNECs, DNELs - Not established

**8.2 Exposure controls**

**8.2.1** Appropriate engineering controls - Ensure good ventilation /local exhaust ventilation to keep airborne contaminants below exposure limits.

**8.2.2** Personal protective equipment:

Eye / face protection - Safety goggles/glasses should be worn.

Skin protection - Nitrile gloves (EN 374). See glove manufacturer data for glove selection and breakthrough time for use conditions.

Respiratory protection - Not required under normal use conditions. Type RPE if required.

Thermal hazards - Not applicable

**8.2.3** Environmental exposure controls - See sects 6, 12, 13.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Appearance/physical state:	Aerosol
Colour:	Strong violet liquid
Odour:	Alcohol, solvent
Odour threshold:	Not established
pH:	Not applicable
Melting /freezing point:	< 0°C
IBP /boiling range:	< 0°C
Flash Point	<0° C
Evaporation rate:	Not established
Flammability (gas):	Extremely flammable
Upper /lower explosive limits:	No data
Vapour pressure:	Approx 3 bar at 20°C
Vapour density:	Not established
Relative density:	Not applicable
Solubility:	Essentially water miscible

Partition coefficient (n-octanol/water): Not established  
 Auto-ignition temperature: Not established  
 Decomposition temperature: Not established  
 Viscosity: Not applicable  
 Explosive properties: Not established  
 Oxidising properties: None

**SECTION 10. STABILITY AND REACTIVITY**

- 10.1 Reactivity**  
No dangerous reactions known under normal conditions of use.
- 10.2 Chemical Stability**  
Stable under proper storage and handling conditions.
- 10.3 Possibility of chemical reactions**  
No dangerous reactions known.
- 10.4 Conditions to avoid**  
Heat, flame and other ignition sources. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn even after use.
- 10.5 Incompatible materials**  
Avoid contact with strong oxidising agents
- 10.6 Hazardous decomposition products**  
None when used as directed.

**SECTION 11. TOXICOLOGICAL INFORMATION**

- 11.1 Information on toxicological effects**
    - 11.1.2. Mixtures**
      - Acute toxicity
      - Irritation
      - Corrosivity
      - Sensitisation
      - Repeated dose toxicity
      - Carcinogenicity
      - Mutagenicity
      - Toxicity for reproduction
- } No data available

**Other information**  
 May cause significant irritation and discomfort to eyes. Prolonged or repeated contact may cause irritation and dermatitis. High concentrations of vapours may cause drowsiness and dizziness. Ingestion may cause irritation to mouth and damage to respiratory system.

**Ethanol (TDSA base)**

Toxicity / Effect	Endpoint	Value	Organism	Method	Notes
Acute Tox -Oral	LD50	>2000mg/kg	Rat		
Acute Tox- Derm	LD50	>2000mg/kg	Rabbit		
Acute Tox- Inhal	LC50	>20mg/L	Mouse		Vapours
Serious eye damage / Irritation			Rabbit		Slightly irritating
Sensitisation - Respiratory or Skin			Guinea pig		Not sensitising
Carcinogenicity					Not a carcinogen

**Ethandiol**

Toxicity / Effect	Endpoint	Value	Organism	Method	Notes
Acute Tox -Oral	LD50	7712mg/kg	Rat		
Acute Tox- Derm	LD50	>10600mg/k	Rabbit		
Inhalation					May irritate respiratory system
Serious eye damage / Irritation					Irritating to eyes
Ingestion					Harmful if swallowed
Carcinogenicity					No evidence of carcinogenicity
Target organs					Liver, kidney

**Butoxyethanol**

Toxicity / Effect	Endpoint	Value	Organism	Method	Notes
Acute Tox -Oral	LD50	560mg/kg	Rat		Harmful if swallowed
Acute Tox- Derm			Rabbit		Mild irritation
Inhalation					Harmful by inhalation
Serious eye damage / Irritation			Rabbit		Irritating to eyes
Sensitisation			Guinea pig		Not sensitising
Carcinogenicity					No evidence of carcinogenicity
Target organs					Skin, Eyes, Respiratory system, Lungs. CNS depressant

**Hydrocarbon aerosol propellant (<0.1% Butadiene)**

**General**  
 In low concentrations may cause narcotic effects. Symptoms include dizziness, headache, nausea and loss of co-ordination.

**SECTION 12 ECOLOGICAL INFORMATION:**

**Mixture**

- 12.1 Toxicity
- 12.2 Persistence and degradability
- 12.3 Bioaccumulative potential
- 12.4 Mobility in soil
- 12.4 results of PBT and vPvB assessment
- 12.6 Other adverse effects.

} No data available

**Ethanol (TDSA.basa)**

**12.1 Toxicity**

Test	Duration	Organism	Method	Result	Notes
Toxicity to fish	48 hrs	Leucisus idus	LC50	>100mg/l	
Toxicity to daphnia /other aq invertebrates	48 hrs	Daphnia magna	EC50	>100mg/l	
Toxicity to algae	48 hrs	Selenastrum capricornutum	EC 50	>100mg/l	

- 12.2 **Persistence, Degradability and Bioaccumulation Potential.** – Biodegradable. Oxidises rapidly by photochemical reactions in air. Integrated experimental half-life expected to be 1-10 days. Dominant loss process – biodegradation.
- 12.3 **Bioaccumulative potential** – Does not bioaccumulate significantly

12.4 **Mobility in soil** - Evaporates readily from all surfaces. Water soluble and may spread in water systems

12.5 **Results of PBT and vPvB assessment** - Contains no PBT or vPvB components

12.6 **Other adverse effects** - No data available

**Ethandiol**

**12.1 Toxicity**

Test	Duration	Organism	Method	Result	Notes
Toxicity to fish	96 hrs		LC50	>10000mg/l	
Toxicity to daphnia /other aq invertebrates	48 hrs	Daphnia magna	EC50	>10000mg/l	
Toxicity to algae	72 hrs	Selenastrum capricornutum	EC 50	>10000mg/l	

12.2 **Persistence, Degradability and Bioaccumulation Potential.** - Readily biodegradable

12.3 **Bioaccumulative potential** - Does not bioaccumulate.

12.4 **Mobility in soil** - Water soluble

12.5 **Results of PBT and vPvB assessment** - Contains no PBT or vPvB components

12.6 **Other adverse effects** - No data available

**Butoxyethanol**

**12.1 Toxicity**

Test	Duration	Organism	Method	Result	Notes
Toxicity to fish	96 hrs		LC50	1490mg/l	
Toxicity to daphnia /other aq invertebrates	24 hrs	Daphnia magna	EC50	1720mg/l	
Toxicity to algae	168 hrs		EC 50	900mg/l	

12.2 **Persistence, Degradability and Bioaccumulation Potential.** - Readily biodegradable

12.3 **Bioaccumulative potential** - Does not bioaccumulate.

12.4 **Mobility in soil** - Water soluble

12.5 **Results of PBT and vPvB assessment** - No data available

12.6 **Other adverse effects** - No data available

**2-benzyl-4-chlorophenol**

**12.1 Toxicity**

Test	Duration	Organism	Method	Result	Notes
Acute toxicity to fish	96 hrs	Daio rerio	LC50	1.5mg/l	
Acute toxicity to daphnia	48 hrs	Daphnia magna	EC50	0.59mg/l	
Acute toxicity to algae	72 hrs	Pseudokirchneriella	IC50	0.20mg/l	
Chronic toxicity to algae	72 hrs	Pseudokirchneriella	NOEC	0.10mg/l	

12.2 **Persistence, Degradability and Bioaccumulation Potential.** - 68% - 28 days

12.3 **Bioaccumulative potential** - BCF - 110. Potential - high

12.4 **Mobility in soil** - Not available

12.5 **Results of PBT and vPvB assessment** - No data available

12.6 **Other adverse effects** - Contains organically bound halogens and can contribute to the AOX value in waste water.

**Hydrocarbon aerosol propellant (<0.1% Butadiene)**

**General**

No known ecological damage.

**SECTION 13 DISPOSAL CONSIDERATIONS:**

**13.1 Waste Treatment Methods**

Empty containers must not be burnt or incinerated because of explosion hazard. Dispose of in accordance with local authority guidelines. Empty aerosol products may be recyclable via local authority.

**SECTION 14. TRANSPORT INFORMATION:**

14.1 UN number	1950
14.2 UN proper shipping name	Aerosols
14.3 Transport hazard class	2 (UN / IMDG)
ADR Classification code	5F
...	None

**SECTION 15. REGULATORY INFORMATION:****15.1 Safety, health and environmental regulations/legislation specific for the mixture**

REACH - 1907/2006  
 CLP - 1272/2008  
 DPD - 189/45/EC  
 COSHH - 2002 (as amended)

**15.2 Chemical safety assessment**

A CSA has not been carried out for this mixture.

**SECTION 16. OTHER INFORMATION:****Legend**

LTEL	Long term exposure limit
STEL (SE)	Short term exposure limit (Single exposure)
STOT	Specific target organ toxicity
PNEC	Predicted no effect concentration
DNEL	Derived no effect level

**Hazard statements –referred to in sect 3**

H220	Extremely flammable gas
H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H332	Harmful if inhaled
H318	Causes serious eye damage
H319	Causes serious eye irritation
H371	May cause damage to organs
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

**Classification methods used to derive classification of mixture**

Classification according to calculation procedure detailed in EC1272/2008

**Additional information**

This safety data sheet has been produced based on information supplied by the manufacturers of the materials therein and is believed to be accurate. No warranty is expressed or implied by this information. It is for the user to satisfy themselves if the suitability of the product for their own purposes.