

# 4 Hooves

# SAFETY DATA SHEET

Preparation Date: 08-Jun-2010

Revision Date: 01-Jun-2015

Revision Number: 3

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product Identifier

**Product Name** 4 Hooves

### Other means of identification

**Item#:** 1137

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended use** Hoof Treatment

**Uses advised against** No information available

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

**Supplier** DeLaval Manufacturing  
11100 N. Congress Ave.  
Kansas City, MO 64153

Tel: 816-891-7700, 8am – 5pm M-F

### Emergency Telephone Number

Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute Toxicity - Oral	Category 4
Skin Corrosion/Irritation	Category 1
Serious eye damage/eye irritation	Category 1
Carcinogenicity	Category 1A

Sulfuric acid and other mineral acids mist statement

The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mists containing sulfuric or other strong mineral acids (such as Hydrochloric and Nitric acid) as a known human carcinogen, (IARC category 1). This classification applies only to mists containing such mineral acids and not to the specific acids or their solutions, unless otherwise noted.

Corrosive to metals	Category 1
Flammable liquids	Category 3

### Label Elements

#### **Emergency Overview**

**DANGER**

#### **Hazard Statements**

Harmful if swallowed

Causes severe skin burns and eye damage

May cause cancer

May be corrosive to metals

Flammable liquid and vapor



**Appearance** Clear Yellow

**Physical state** Liquid

**Odor** No information available

**Precautionary Statements - Prevention**

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Do not breathe dust/fume/gas/mist/vapors/spray
- Keep away from heat/sparks/open flames/hot surfaces. — No smoking
- Keep container tightly closed
- Ground/bond container and receiving equipment
- Use explosion-proof electrical/ventilating/lighting/ / equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge

**Precautionary Statements - Response**

- Immediately call a POISON CENTER or doctor/physician
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- Immediately call a POISON CENTER or doctor/physician
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- Wash contaminated clothing before reuse
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- Immediately call a POISON CENTER or doctor/physician
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth
- Do not induce vomiting
- In case of fire: Use Water spray, fog or regular foam for extinction

**Precautionary Statements - Storage**

- Store locked up
- Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

- Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

**Other Information**

- Very toxic to aquatic life with long lasting effects
- Unknown Acute Toxicity 0.01% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %	Trade Secret
Didecyldimethylammonium chloride	7173-51-5	20 - 30%	*
Hydrochloric Acid	7647-01-0	0 - 10%	*
Ethyl alcohol	64-17-5	0 - 10%	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**FIRST AID MEASURES**

<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention. Remove contaminated clothing and shoes.
<b>Inhalation</b>	Move to fresh air. Get medical attention if symptoms occur.
<b>Ingestion</b>	Do not induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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

<b>Most Important Symptoms and Effects</b>	According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Dry chemical, Carbon dioxide (CO<sub>2</sub>), Water spray, alcohol-resistant foam

**Unsuitable Extinguishing Media**

Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**

Keep product and empty container away from heat and sources of ignition. Risk of ignition.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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

Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

**Environmental Precautions**

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Methods and material for containment and cleaning up**

Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labelled containers. Take precautionary measures against static discharges.

**7. HANDLING AND STORAGE****Precautions for Safe Handling**

<b>Handling</b>	Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from open flames, hot surfaces and sources of ignition. Wear personal protective equipment. Do not breathe vapours or spray mist. Take precautionary measures against static discharges. Use product only in closed system.
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**Conditions for safe storage, including any incompatibilities**

**Storage** Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Protect from light. Keep in properly labelled containers.

**Incompatible Materials** bases, organic materials, light metals

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

Keep out of the reach of children

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrochloric Acid 7647-01-0	Ceiling: 2 ppm	Ceiling: 5 ppm Ceiling: 7 mg/m <sup>3</sup>	50 ppm
Ethyl alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>	3300 ppm

*IDLH: Immediately Dangerous to Life or Health*

### Appropriate engineering controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

### Individual protection measures, such as personal protective equipment

**Eye/face Protection** Tightly fitting safety goggles. Face-shield.

**Skin and body protection** Wear protective gloves and protective clothing.

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	No information available
<b>Appearance</b>	Clear Yellow	<b>Odor Threshold</b>	No information available
<b>Color</b>	No information available		
<b>Property</b>	<b>Values</b>	<b>Remarks/ Method</b>	
pH	1		
Melting point/freezing point	No information available		
Boiling Point/Range	No information available		
Flash Point	45 °C / 113 °F		
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit	No information available		
Lower flammability limit	No information available		
Vapor Pressure	No information available		
Vapor Density	No information available		
Specific Gravity	No information available		

<b>Water Solubility</b>	soluble
<b>Solubility in other solvents</b>	No information available
<b>Partition coefficient: n-octanol/water</b>	No information available
<b>Autoignition Temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Viscosity of Product</b>	No information available
<b>Dynamic viscosity</b>	No information available
<b>Explosive Properties</b>	No information available
<b>Oxidizing Properties</b>	No information available

**Other information**

<b>Softening Point</b>	No information available
<b>Molecular Weight</b>	No information available
<b>VOC Content</b>	No information available
<b>Density</b>	No information available
<b>Bulk Density</b>	No information available

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical Stability**

Stable under normal conditions. Hazardous polymerisation does not occur.

**Possibility of hazardous reactions**

Gives off hydrogen by reaction with some metals (e.g. aluminum).

**Conditions to Avoid**

Heating in air.

**Incompatible Materials**

bases, organic materials, light metals

**Hazardous decomposition products**

None known.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

<b>Inhalation</b>	No data available.
<b>Eye contact</b>	No data available.
<b>Skin contact</b>	No data available.
<b>Ingestion</b>	No data available.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Didecyldimethylammonium chloride 7173-51-5	238 mg/kg ( Rat )	-	-
Hydrochloric Acid 7647-01-0	700 mg/kg ( rat )	5010 mg/kg ( rabbit )	= 1.68 mg/L ( Rat ) 1 h
Ethyl alcohol 64-17-5	7060 mg/kg ( rat )	>20000 mg/kg ( rabbit )	124.7 mg/L ( rat )

**Information on toxicological effects****Symptoms** No information available.**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.

**Mutagenic effects** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Hydrochloric Acid 7647-01-0	-	Group 3	-	-
Ethyl alcohol 64-17-5	A3	-	Known	-

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**Reproductive Effects** No information available.

**STOT - single exposure** No information available.

**STOT-repeated exposure** No information available.

**Aspiration Hazard** No information available.

#### Numerical measures of toxicity - Product Information

**Unknown Acute Toxicity** 0.01% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

24.63% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Microtox	Waterflea
Didecyldimethylammonium chloride 7173-51-5	EC50 0.09 mg/L 72h	LC50 0.28 mg/L 96 h	-	LC50 0.0059 mg/L 48 h
Hydrochloric Acid 7647-01-0	-	282: 96 h <i>Gambusia affinis</i> mg/L LC50 static	-	-
Ethyl alcohol 64-17-5	-	12.0 - 16.0: 96 h <i>Oncorhynchus mykiss</i> mL/L LC50 static 100: 96 h <i>Pimephales promelas</i> mg/L LC50 static 13400 - 15100: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	9268 - 14221: 48 h <i>Daphnia magna</i> mg/L LC50 2: 48 h <i>Daphnia magna</i> mg/L EC50 Static 10800: 24 h <i>Daphnia magna</i> mg/L EC50

#### Persistence and degradability

No information available.

#### Bioaccumulation/Accumulation

No information available.

Chemical Name	Partition coefficient
Ethyl alcohol 64-17-5	-0.32

#### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Waste Disposal Method** Dispose of in accordance with local regulations.

**Contaminated Packaging** Empty containers should be taken for local recycling, recovery or waste disposal.

**14. TRANSPORT INFORMATION**

**DOT**

**UN-No** 2920  
**Proper Shipping Name** Corrosive liquid, flammable, n.o.s ( Hydrochloric acid, Quaternary ammonium compound, Ethyl Alcohol )  
**Hazard Class** 8  
**Subsidiary Class** 3  
**Packing Group** II

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** TSCA  
**DSL/NDSL** DSL/NDSL  
**EINECS/ELINCS** Does not Comply  
**ENCS** Does not Comply  
**CHINA** Complies  
**KECL** Complies  
**PICCS** Complies  
**AICS** Complies

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Hydrochloric Acid 7647-01-0	5000 lb	-	-	X
Chemical Name	RQ	CERCLA EHS RQs	RQ	
Hydrochloric Acid 7647-01-0	5000	5000 lb	RQ 5000 lb final RQ RQ 2270 kg final RQ	

**State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
Ethyl alcohol - 64-17-5	Carcinogen Developmental

The list of Proposition 65 chemicals lists "Ethyl alcohol in alcoholic beverages" and is intended to cover only that use of Ethyl Alcohol.

**U.S. EPA Label information**

**EPA Pesticide registration number** Not applicable

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**16. OTHER INFORMATION**

**NFPA**                      **Health 3**                      **Flammability 2**                      **Instability 0**                      **Physical Hazard -**

**Preparation Date:**                      08-Jun-2010

**Revision Date:**                      01-Jun-2015

**Revision Note**

No information available

**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of SDS**