

# SAFETY DATA SHEET

## HealMax Footbath Concentrate

### Section 1. Chemical Product and Company Information

Product Name : HealMax Footbath Concentrate  
 Other means of identification : Not applicable  
 Recommended Use : Bovine footbath additive  
 Restrictions on Use : Reserved for industrial and professional use.

Supplier Information : AgroChem Inc.  
 26 Freedom Way  
 Saratoga Springs, NY 12866  
 (518) 226-4850

Code :  
 Date of issue : 03/25/2015

EMERGENCY HEALTH INFORMATION : ChemTrec : (800) 424-9300  
 Outside United States and Canada CALL: : ChemTrec : 1-703-527-3887

### Section 2. Hazards Identification

GHS Classification	Category
Acute Tox. (oral)	: 4 H302
Acute Tox. (inhalation)	: 4 H332
Skin Irritation	: 2 H315
Eye Irritation	: 2A H318
Resp. Sens.	: 2 H334
Skin Sens.	: 2 H317
Aquatic Acute	: 2 H401

GHS Label Element  
 Hazard pictograms :



Signal Word : Danger  
 Hazard Statements : H302 – Harmful if swallowed  
 H332 -- Harmful if inhaled  
 H312 – Harmful in contact with skin  
 H318 -- Risk of serious damage to eyes  
 H334 – May cause allergy or asthma symptoms or breathing

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difficulty if inhaled.  
H317 - May cause an allergic skin reaction  
H401 – Toxic to aquatic life

### Precautionary Statements

#### : Prevention

P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 - Wash skin thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.

Do not mix with bleach or other chlorinated products – will cause chlorine gas.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

#### Response

[P304 +P340+P311] - **IF INHALED:** -- Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.

[P305 + P351 + P338 +P311] - **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician.

[P302+P352+P312+P321] **IF ON SKIN:** Wash with plenty of soap and water. Call a POISON CENTER or doctor/physician if you feel unwell.

[P301+P330+P331+P310+P321] **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

### Storage:

P405 - Store locked up.  
P404 – Store in a closed container

### Disposal:

P501 - Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

: None Known

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### Section 3. Composition / Information on Ingredients

Pure substance/mixture

: Mixture

Chemical Name	CAS-No.	%	Classification
Glutaraldehyde	(CAS No) 111-30-8		Acute Tox. 3 (Oral), H301
	(EC No) 203-856-5	10.0%	Skin Corr. 1B, H314
	(EC index no) 605-022-00-X	-	Resp.Sens.1, H334
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	(Reach-no) 01-2119455549-26	20.0%	Skin Sens. 1, H317
	(CAS No) 68424-85-1		Aquatic Acute 1, H400
	(EC no) 270-325-2	2.0%	Skin Corr. 1B, H314
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	(REACH-no) 01-2119945987-15	-	Acute Tox. 4 (Oral), H302
	(CAS No) 68424-95-3	5.0%	Aquatic Acute 1, H400
	(EC no) 270-331-5	2.0%	Acute Tox. 4 (Oral), H302
		-	Skin Corr. 1B, H314
		5.0%	Aquatic Acute 1, H400

### Section 4. First Aid Measures

In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Contact ophthalmologist immediately.
In case of skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if irritation develops.
If swallowed	: Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
If inhaled	: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
Protection of first-aiders	: If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician	: Treat symptomatically.

**See toxicological information (Section 11)**

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### Section 5. Fire Fighting Measures

- Extinguishing Media : All extinguishing media can be used.
- Special Hazards arising from the substance or mixture : Not combustible
- Special protective equipment for fire-fighters : Use personal protective equipment.
- Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

### Section 6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with absorbent material to collect it. Dilute residues and flush. Recover the cleaning water for later disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

### Section 7. Handling and Storage

- Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas.
- Conditions for safe storage : Store in dry, cool, well-ventilated area. Protect from freezing. Keep at a temperature not exceeding 50°C

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### Section 8. Exposure Controls / Personal Protection

Exposure limits : No occupational exposure limits established by OSHA/ACGIH/NIOSH for HealMax.

HealMax Footbath Concentrate		
NIOSH Ceiling	:	0.2 ppm (0.8 mg/ m <sup>3</sup> )
ACGIH Ceiling	:	0.2 ppm (0.82 mg/ m <sup>3</sup> )

Glutaraldehyde (111-30-8)		
EU	IOELV TWA (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	0,2 ppm
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	15min – 8h 0,2 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	15min – 8h 0,05 ppm

Appropriate engineering controls : Provide local exhaust or general room ventilation. Maintain air concentrations below occupational exposure standards

Personal protective equipment : Gloves. Face shield. Protective clothing. Insufficient ventilation : wear respiratory protection. Protective goggles.

Eye protection : Safety goggles  
Face-shield

Hand protection : Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

### Section 9. Physical and Chemical Properties

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Appearance	: Liquid
Color	: Green
Odor	: Wintergreen, Aldehyde.
pH	: 4 – 4.5
Flash point	: No data available
Odor Threshold	: No data available
Melting point / freezing point	: No data available
Initial boiling point and boiling range	: 100°C
Evaporation Rate	: 0.88
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: 1.157
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Molecular weight	: No data available
VOC	: No data available

### Section 10. Stability and Reactivity

Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Do not mix with bleach or other chlorinated products – will cause chlorine gas.
Conditions to avoid	: None known.

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Incompatible materials : None known

Hazardous decomposition products : No additional information available.

### Section 11. Toxicological Information

#### HealMax Footbath Concentrate

LD50 Oral rat : 1,993 mg/kg

LD 50 dermal rabbit : >2000 mg/kg

#### Glutaraldehyde (111-30-8)

ATE (Oral) : 100,000 mg/kg

LD50 Oral rat : >1,000 mg/kg (OECD Guideline 402)

LD50 Oral rabbit : >1,000 mg/kg (OECD Guideline 402) No mortality observed.

#### Alkyldimethylbenzlammoniumchloride (68424-85-1)

ATE (Oral) : 500,000 mg/kg

Information on toxicological effects : Inhalation, Eye contact, Skin contact

Acute toxicity : Irritation to eyes and skin

Skin corrosion / irritation : Causes sever skin and eye irritation.

Serious eye damage / irritation : Eye Irritation, category 2A

Respiratory or skin sensitization : May cause sensitization by inhalation and skin contact

Germ cell mutagenicity : No data available

Carcinogenicity : No data available

Reproductive toxicity : No data available

Specific target organ toxicity (single exposure) : No data available

Specific target organ toxicity (repeated exposure) : No data available

Aspiration hazard : No data available

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### Section 12. Ecological Information

Toxicity	:	This product contains hazardous components for the environment. Biodegradable.
Persistence and degradability	:	No data available
Bioaccumulative potential	:	No data available
Mobility in soil	:	No data available
Results of PBT and vPvB assessment	:	No data available
Other adverse effects	:	This product contains hazardous components for the environment.

### Section 13. Disposal Considerations

Disposal methods	:	Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.
Disposal considerations	:	

### Section 14. Transport Information

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)	:	Not dangerous goods
Sea transport (IMDG/IMO)	:	Not dangerous goods.
Air transport	:	Not dangerous goods

### Section 15. Regulatory Information

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



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EU – Regulations

No REACH Annex XVII restrictions  
 Contains no REACH candidate substance

### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Acute Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**California Prop 65** : This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

<b>Section 16. Other Information</b>
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HMIS III:

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = Not Significant, 1 = Slight

2 = Moderate, 3 = High

4 = Extreme, \* = Chronic

Issuing date : 3/26/2015

Version : 1.0

Prepared by : RJD

**REVISED INFORMATION:** Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.