

## Safety Data Sheet

# Life Data<sup>®</sup>

## L A B S, I N C.

### Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1 Product identifier

**Product Name** • Life Data® Hoof Clay

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

**Relevant identified use(s)** • Clay packing for equine hoof defects. Consult manufacturer for the recommended product use.

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

**Manufacturer** • Life Data Labs, Inc.  
PO Box 349  
Cherokee, AL 35616  
United States  
www.lifedatalabs.com  
cservice@lifedatalabs.com

**Telephone (General)** • 256-370-7555

#### 1.4 Emergency telephone number

**Manufacturer** • 256-370-7555 - (Available M-F 8:00AM - 4:30 PM CST)

**Manufacturer** • +49 (0)551 192 40 - Giftinformationszentrum Nord (German and English language poisoning emergency service)

### Section 2: Hazards Identification

#### EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

#### 2.1 Classification of the substance or mixture

**CLP** • Not classified

#### 2.2 Label Elements

**CLP**  
**Hazard statements** • No label element(s) required

#### 2.3 Other Hazards

**CLP** • According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.  
PBT assessment - the components of this product are not considered to be a PBT.  
vPvB assessment - the components of this product are not considered to be a vPvB.

**United States (US)**

According to: OSHA 29 CFR 1910.1200 HCS

**2.1 Classification of the substance or mixture**

OSHA HCS 2012 • Not classified

**2.2 Label elements**

OSHA HCS 2012

**Hazard statements** • No label element(s) required**2.3 Other hazards**

OSHA HCS 2012 • This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

**Section 3 - Composition/Information on Ingredients****3.1 Substances**

- Material does not meet the criteria of a substance.

**3.2 Mixtures**

Hazardous Ingredients.

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Propylene glycol	CAS:57-55-6 EC Number:200-338-0	3% TO 6%	NDA	EU CLP: Skin Irrit. 2, H315; Eye Irrit. 2, H319 OSHA HCS 2012: Skin Irrit. 2; Eye Irrit. 2B	NDA
Crystalline silica	CAS:14808-60-7 EC Number:238-878-4	0% TO 4.5%	NDA	EU CLP: Carc. 1A, H350i; STOT RE 1, H372 (Lungs, Inhl) OSHA HCS 2012: Carc. 1A; STOT RE 1 (Lungs, Inhl)	NDA
Oils, tea-tree	CAS:68647-73-4	1% TO 1.2%	Ingestion/Oral-Rat LD50 • 1900 mg/kg	EU CLP: Flam. Liq. 3, H226; Acute Tox. 4, H302 OSHA HCS 2012: Flam. Liq. 3; Acute Tox. 4 (Orl)	NDA

**Section 4 - First Aid Measures****4.1 Description of first aid measures****Inhalation**

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

**Skin**

- In case of contact with substance, immediately flush skin with running water for at least 20 minutes.

**Eye**

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes.

**Ingestion**

- If large quantities are swallowed, call a physician immediately.

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

- Refer to Section 11 - Toxicological Information.

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

#### Notes to Physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## Section 5 - Firefighting Measures

### 5.1 Extinguishing media

- Suitable Extinguishing Media**
- LARGE FIRE: Water spray, fog or regular foam.
  - SMALL FIRES: Dry chemical, CO<sub>2</sub>, water spray or regular foam.

- Unsuitable Extinguishing Media**
- No data available

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

- Unusual Fire and Explosion Hazards**
- Some may burn but none ignite readily.

- Hazardous Combustion Products**
- No data available

### 5.3 Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA). Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- No special precautions expected to be necessary if material is used under ordinary conditions and as recommended.
- Emergency Procedures**
- Use normal clean up procedures.

### 6.2 Environmental precautions

- No special environmental precautions necessary.

### 6.3 Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Scrape up spilled material, wash away any remaining residue.

### 6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling

- Handling**
- Use good safety and industrial hygiene practices. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

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

- Storage**
- Keep container closed.

### 7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

## Section 8 - Exposure Controls/Personal Protection

### 8.1 Control parameters

Exposure Limits/Guidelines			
	Result	ACGIH	NIOSH
Crystalline silica (14808-60-7)	TWAs	0.025 mg/m <sup>3</sup> TWA (respirable fraction)	0.05 mg/m <sup>3</sup> TWA (respirable dust)

#### Exposure Control Notations

##### Germany DFG

- Crystalline silica (14808-60-7): **Carcinogens:** (Category 1 (causes cancer in man, alveola fraction))

#### Exposure Limits Supplemental

##### OSHA

- Crystalline silica (14808-60-7): **Mineral Dusts:** ((30)/(%SiO<sub>2</sub> + 2) mg/m<sup>3</sup> TWA, total dust; (250)/(%SiO<sub>2</sub> + 5) mppcf TWA, respirable fraction; (10)/(%SiO<sub>2</sub> + 2) mg/m<sup>3</sup> TWA, respirable fraction)

### 8.2 Exposure controls

#### Engineering

##### Measures/Controls

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

#### Personal Protective Equipment

##### Respiratory

- None required under normal conditions of use.

##### Eye/Face

- None required under normal conditions of use.

##### Skin/Body

- None required under normal conditions of use.

#### Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

#### Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

## Section 9 - Physical and Chemical Properties

### 9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Grey colored clay with tea tree odor.
Color	Grey	Odor	Tea tree odor.
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point/Freezing Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	Data lacking	Water Solubility	Data lacking
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		
Volatility			

Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
<b>Flammability</b>			
Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
<b>Environmental</b>			
Octanol/Water Partition coefficient	Data lacking		

## 9.2 Other Information

- No additional physical and chemical parameters noted.

## Section 10: Stability and Reactivity

### 10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

- Stable under normal temperatures and pressures.

### 10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

- No data available

### 10.5 Incompatible materials

- No data available

### 10.6 Hazardous decomposition products

- No data available

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

		Components
Propylene glycol (3% TO 6%)	57-55-6	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 20 g/kg; Skin-Rabbit LD50 • 20800 mg/kg; <b>Irritation:</b> Eye-Rabbit • 100 mg • Mild irritation; Eye-Rabbit • 500 mg 24 Hour(s) • Mild irritation; Skin-Human • 104 mg 3 Day (s)-Intermittent • Moderate irritation; Skin-Human • 500 mg 7 Day(s) • Mild irritation; <b>Multi-dose Toxicity:</b> Ingestion/Oral-Dog TDLo • 3650 mg/kg 2 Year(s)-Intermittent; <i>Blood:Normocytic anemia;</i> <i>Blood:Other hemolysis with or without anemia;</i> Skin-Human TDLo • 5 mg/kg 7 Day(s)-Intermittent; <i>Skin and Appendages:After topical exposure:Primary irritation;</i> Skin-Man TDLo • 0.03 mL/kg 22 Day(s)-Intermittent; <i>Skin and Appendages:After topical exposure:Cutaneous sensitization (experimental)</i>
Oils, tea-tree (1% TO 1.2%)	68647-73-4	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 1900 mg/kg; Ingestion/Oral-Child TDLo • 500 µL/kg; <i>Behavioral:Hallucinations, distorted perceptions;</i> <i>Behavioral:Ataxia;</i> Ingestion/Oral-Rat TDLo • 1.5 g/kg; <i>Peripheral Nerve and Sensation:Flaccid paralysis without anesthesia (usually neuromuscular blockage); Behavioral:Changes in motor activity (specific assay); Behavioral:Ataxia;</i> Ingestion/Oral-Woman TDLo • 0.566 g/kg; <i>Behavioral:Coma;</i> <i>Behavioral:Excitement;</i> <i>Vascular:BP lowering not characterized in autonomic section</i>
		<b>Acute Toxicity:</b> Inhalation-Human TCLo • 16 mppcf 8 Hour(s) 17.9 Year(s)-Intermittent; <i>Lungs, Thorax, or Respiration:Fibrosis, focal (pneumoconiosis); Lungs, Thorax, or Respiration:Cough; Lungs, Thorax, or Respiration:Dyspnea;</i> Inhalation-Rat TCLo • 200 mg/kg; <i>Lungs, Thorax, or Respiration:Fibrosis, focal (pneumoconiosis); Lungs, Thorax, or Respiration:Other changes;</i> <i>Nutritional and Gross Metabolic:Changes in Chemistry or Temperature:Fe;</i>

Crystalline silica (0% TO 4.5%)	14808-60-7	<p><b>Multi-dose Toxicity:</b> Inhalation-Hamster TClO • 3 mg/m<sup>3</sup> 6 Hour(s) 78 Week(s)-Intermittent; <i>Lungs, Thorax, or Respiration:</i><b>Fibrosis (interstitial); Lungs, Thorax, or Respiration:Changes in lung weight;</b> Inhalation-Rat TClO • 6.2 mg/m<sup>3</sup> 6 Hour(s) 6 Week(s)-Intermittent; <i>Lungs, Thorax, or Respiration:</i><b>Other changes; Blood:Changes in spleen; Immunological Including Allergic:Increase in cellular immune response;</b> Inhalation-Rat TClO • 80 mg/m<sup>3</sup> 26 Week(s)-Intermittent; <i>Lungs, Thorax, or Respiration:</i><b>Fibrosis, focal (pneumoconiosis); Blood:Changes in spleen; Immunological Including Allergic:Decrease in cellular immune response;</b></p> <p><b>Mutagen:</b> Micronucleus test • Unreported Route-Hamster • Lung (Somatic cell) • 160 µg/cm<sup>3</sup>; DNA damage • Unreported Route-Human • Other Cell Type • 120 mg/L 24 Hour(s); Micronucleus test • Unreported Route-Human • Lung (Somatic cell) • 40 µg/cm<sup>3</sup>;</p> <p><b>Tumorigen / Carcinogen:</b> Inhalation-Rat TClO • 50 mg/m<sup>3</sup> 6 Hour(s) 71 Week(s)-Intermittent; <i>Tumorigenic:</i><b>Carcinogenic by RTECS criteria; Liver:Tumors</b></p>
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GHS Properties	Classification
<b>Acute toxicity</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Skin corrosion/Irritation</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Serious eye damage/Irritation</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Skin sensitization</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Respiratory sensitization</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Aspiration Hazard</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Carcinogenicity</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Germ Cell Mutagenicity</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Toxicity for Reproduction</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>STOT-SE</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>STOT-RE</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking

## Potential Health Effects

### Inhalation

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • No data available

### Skin

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • No data available

### Eye

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • No data available

### Ingestion

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • No data available
- Carcinogenic Effects** • Due to the form of the product, exposure to the potentially carcinogenic components is not expected.

Carcinogenic Effects			
	CAS	IARC	NTP
Crystalline silica	14808-60-7	Group 1-Carcinogenic	Known Human Carcinogen

**Key to abbreviations**

LD = Lethal Dose

TC = Toxic Concentration

TD = Toxic Dose

## Section 12 - Ecological Information

**12.1 Toxicity**

- Material Data Lacking.

**12.2 Persistence and degradability**

- Material Data Lacking.

**12.3 Bioaccumulative potential**

- Material Data Lacking.

**12.4 Mobility in Soil**

- Material Data Lacking.

**12.5 Results of PBT and vPvB assessment**

- PBT assessment - the components of this product are not considered to be a PBT.
- vPvB assessment - the components of this product are not considered to be a vPvB.

**12.6 Other adverse effects**

- No studies have been found.

## Section 13 - Disposal Considerations

**13.1 Waste treatment methods****Product waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Packaging waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
TDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
IMO/IMDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
IATA/ICAO	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA

**14.6 Special precautions for user** • None specified.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** • Data lacking.

## Section 15 - Regulatory Information

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

**SARA Hazard Classifications** • None

Inventory				
Component	CAS	EU EINECS	EU ELNICS	TSCA
Crystalline silica	14808-60-7	Yes	No	Yes
Oils, tea-tree	68647-73-4	No	No	Yes
Propylene glycol	57-55-6	Yes	No	Yes

## Germany

### Environment

#### Germany - Water Classification (VwVwS) - Annex 1

• Propylene glycol	57-55-6	Not Listed
• Crystalline silica	14808-60-7	849, not considered hazardous to water
• Oils, tea-tree	68647-73-4	Not Listed

#### Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes

• Propylene glycol	57-55-6	ID Number 280, hazard class 1 - low hazard to waters
• Crystalline silica	14808-60-7	Not Listed
• Oils, tea-tree	68647-73-4	Not Listed

#### Germany - Water Classification (VwVwS) - Annex 3

• Propylene glycol	57-55-6	Not Listed
• Crystalline silica	14808-60-7	ID Number 849, not considered hazardous to water
• Oils, tea-tree	68647-73-4	Not Listed

## United States

### Labor

#### U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Propylene glycol	57-55-6	Not Listed
• Crystalline silica	14808-60-7	Not Listed
• Oils, tea-tree	68647-73-4	Not Listed

#### U.S. - OSHA - Specifically Regulated Chemicals

• Propylene glycol	57-55-6	Not Listed
• Crystalline silica	14808-60-7	Not Listed
• Oils, tea-tree	68647-73-4	Not Listed



**Environment****U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

• Propylene glycol	57-55-6	Not Listed
• Crystalline silica	14808-60-7	Not Listed
• Oils, tea-tree	68647-73-4	Not Listed

**U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

• Propylene glycol	57-55-6	Not Listed
• Crystalline silica	14808-60-7	Not Listed
• Oils, tea-tree	68647-73-4	Not Listed

**U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities**

• Propylene glycol	57-55-6	Not Listed
• Crystalline silica	14808-60-7	Not Listed
• Oils, tea-tree	68647-73-4	Not Listed

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs**

• Propylene glycol	57-55-6	Not Listed
• Crystalline silica	14808-60-7	Not Listed
• Oils, tea-tree	68647-73-4	Not Listed

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs**

• Propylene glycol	57-55-6	Not Listed
• Crystalline silica	14808-60-7	Not Listed
• Oils, tea-tree	68647-73-4	Not Listed

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

• Propylene glycol	57-55-6	Not Listed
• Crystalline silica	14808-60-7	Not Listed
• Oils, tea-tree	68647-73-4	Not Listed

**U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing**

• Propylene glycol	57-55-6	Not Listed
• Crystalline silica	14808-60-7	Not Listed
• Oils, tea-tree	68647-73-4	Not Listed

**United States - California****Environment****U.S. - California - Proposition 65 - Carcinogens List**

• Propylene glycol	57-55-6	Not Listed
• Crystalline silica	14808-60-7	carcinogen, 10/1/1988 (airborne particles of respirable size)
• Oils, tea-tree	68647-73-4	Not Listed

**U.S. - California - Proposition 65 - Developmental Toxicity**

• Propylene glycol	57-55-6	Not Listed
• Crystalline silica	14808-60-7	Not Listed
• Oils, tea-tree	68647-73-4	Not Listed

**U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)**

• Propylene glycol	57-55-6	Not Listed
• Crystalline silica	14808-60-7	Not Listed
• Oils, tea-tree	68647-73-4	Not Listed

**U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)**

• Propylene glycol	57-55-6	Not Listed
• Crystalline silica	14808-60-7	Not Listed
• Oils, tea-tree	68647-73-4	Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Female**

• Propylene glycol	57-55-6	Not Listed
• Crystalline silica	14808-60-7	Not Listed
• Oils, tea-tree	68647-73-4	Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Male**

• Propylene glycol	57-55-6	Not Listed
• Crystalline silica	14808-60-7	Not Listed
• Oils, tea-tree	68647-73-4	Not Listed

**15.2 Chemical Safety Assessment**

- No Chemical Safety Assessment has been carried out.

**15.3 Other Information**

- WARNING: This product contains a chemical known to the State of California to cause cancer.

**Section 16 - Other Information**

<b>Revision Date</b>	• 14/March/2016
<b>Preparation Date</b>	• 14/March/2016
<b>Disclaimer/Statement of Liability</b>	• The information herein is given in good faith but no warranty, expressed or implied, is made.
<b>Key to abbreviations</b>	
NDA = No Data Available	