Safety Data Sheet

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, CO2, 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 breathingapparatus.

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/m3 TWA (respirable fraction)	0.05 mg/m3 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)/(%SiO2 + 2) mg/m3 TWA, total dust; (250)/(%SiO2 + 5) mppcf TWA, respirable fraction; (10)/(%SiO2 + 2) mg/m3 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		
Flammability			
Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
Environmental			
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	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 20 g/kg; Skin-Rabbit LD50 • 20800 mg/kg; **Irritation:** 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; **Multi-dose Toxicity:** Ingestion/Oral-Dog TDLo • 3650 mg/kg 2 Year(s)-Intermittent; *Blood*:**Normocytic anemia**; *Blood*:**Other hemolysis with or without anemia**; Skin-Human TDLo • 5 mg/kg 7 Day(s)-Intermittent; *Skin and Appendages:After topical exposure*:**Primary irritation**; Skin-Man TDLo • 0.03 mL/kg 22 Day(s)-Intermittent; *Skin and Appendages:After topical exposure*:**Cutaneous sensitization (experimental)**
Oils, tea-tree (1% TO 1.2%)	68647-73-4	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 1900 mg/kg; Ingestion/Oral-Child TDLo • 500 µL/kg; *Behavioral*:**Hallucinations, distorted perceptions**; *Behavioral*:**Ataxia**; Ingestion/Oral-Rat TDLo • 1.5 g/kg; *Peripheral Nerve and Sensation*:**Flaccid paralysis without anesthesia (usually neuromuscular blockage)**; *Behavioral*:**Changes in motor activity (specific assay)**; *Behavioral*:**Ataxia**; Ingestion/Oral-Woman TDLo • 0.566 g/kg; *Behavioral*:**Coma**; *Behavioral*:**Excitement**; *Vascular*:**BP lowering not characterized in autonomic section**
		Acute Toxicity: Inhalation-Human TCLo • 16 mppcf 8 Hour(s) 17.9 Year(s)-Intermittent; *Lungs, Thorax, or Respiration*:**Fibrosis, focal (pneumoconiosis)**; *Lungs, Thorax, or Respiration*:**Cough**; *Lungs, Thorax, or Respiration*:**Dyspnea**; Inhalation-Rat TCLo • 200 mg/kg; *Lungs, Thorax, or Respiration*:**Fibrosis, focal (pneumoconiosis)**; *Lungs, Thorax, or Respiration*:**Other changes**; *Nutritional and Gross Metabolic:Changes in Chemistry or Temperature*:**Fe**;

Crystalline silica (0% TO 4.5%)	14808-60-7	**Multi-dose Toxicity:** Inhalation-Hamster TCLo • 3 mg/m³ 6 Hour(s) 78 Week(s)-Intermittent; *Lungs, Thorax, or Respiration*:**Fibrosis (interstitial)**; *Lungs, Thorax, or Respiration*:**Changes in lung weight**; Inhalation-Rat TCLo • 6.2 mg/m³ 6 Hour(s) 6 Week(s)-Intermittent; *Lungs, Thorax, or Respiration*:**Other changes**; *Blood*:**Changes in spleen**; *Immunological Including Allergic*:**Increase in cellular immune response**; Inhalation-Rat TCLo • 80 mg/m³ 26 Week(s)-Intermittent; *Lungs, Thorax, or Respiration*:**Fibrosis, focal (pneumoconiosis)**; *Blood*:**Changes in spleen**; *Immunological Including Allergic*:**Decrease in cellular immune response**; **Mutagen:** Micronucleus test • Unreported Route-Hamster • Lung (Somatic cell) • 160 µg/cm³; DNA damage • Unreported Route-Human • Other Cell Type • 120 mg/L 24 Hour(s); Micronucleus test • Unreported Route-Human • Lung (Somatic cell) • 40 µg/cm³; **Tumorigen / Carcinogen:** Inhalation-Rat TCLo • 50 mg/m³ 6 Hour(s) 71 Week(s)-Intermittent; *Tumorigenic*:**Carcinogenic by RTECS criteria**; *Liver*:**Tumors**

GHS Properties	Classification
Acute toxicity	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Skin corrosion/Irritation	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Serious eye damage/Irritation	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Skin sensitization	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Respiratory sensitization	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Aspiration Hazard	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Carcinogenicity	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Germ Cell Mutagenicity	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Toxicity for Reproduction	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
STOT-SE	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
STOT-RE	**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

Revision Date
- 14/March/2016

Preparation Date
- 14/March/2016

Disclaimer/Statement of Liability
- The information herein is given in good faith but no warranty, expressed or implied, is made.

Key to abbreviations

NDA = No Data Available