

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

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KERALIT® Hufelast

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name/designation:

KERALIT® Hufelast

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

Use of the substance/mixture:

Relevant identified uses : Pflegeprodukte für Pferde

/ care products for horses

Uses advised against Nicht am Menschen anwenden. / Do not use on humans.

Relevant identified uses:

Life cycle stage [LCS]

PW: Widespread use by professional workers

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Keralit® Veterinär- und Pferdetechnik GmbH

Brenntenhau 1

71106 Magstadt

Telephone: +49 7159 42848

Telefax: +49 7159 42701

E-mail: keralit@aol.com

E-mail (competent person): keralit@aol.com

1.4. Emergency telephone number

DI RUFF Florian - +49 7159 42848, 24h: 030 30686700 (Giftnotruf der Charité - Universitätsmedizin Berlin)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No. 1272/2008 [CLP].

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

According to EC directives or the corresponding national regulations, the product does not have to be labelled.

Hazard statements: none

Supplemental hazard information: none

Precautionary statements: none

2.3. Other hazards

Adverse physicochemical effects:

No information available.

Adverse human health effects and symptoms:

No information available.

Adverse environmental effects:

No information available.

Other adverse effects:

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Description:

The article is a mixture consisting of non-hazardous substances of the following hazardous substances:

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Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No. 1272/2008 [CLP]	Concentration
CAS No.: 67-63-0 EC No.: 200-661-7 Index No.: 603-117-00-0	propan-2-ol Eye Irrit. 2 (H319), Flam. Liq. 2 (H225), STOT SE 3 (H336)  Danger	1 - ≤ 5 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

kaltes Produkt: No special measures are required.

The melted product can cause severe burns. Burns caused by molten material must be treated clinically.

Following inhalation:

von Dämpfen des heißen Produkts: Provide fresh air.

Get medical advice/attention if you feel unwell.

In case of skin contact:

Gently wash with plenty of soap and water.

Wenn heiß: Wie bei Verbrennungen üblich behandeln.

After eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water.

In case of eye irritation consult an ophthalmologist.

Following ingestion:

Rinse mouth thoroughly with water.

Bei anhaltenden Beschwerden Arzt konsultieren.

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

No information available.

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO₂) Foam Extinguishing powder

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: hazardous gases and vapours

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

5.4. Additional information

Do not allow run-off from fire-fighting to enter drains or water courses.

Dispose according to legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Wear personal protection equipment.

See protective measures under point 7 and 8.

6.1.2. For emergency responders

Personal protection equipment:

No special measures are necessary.

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6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For cleaning up:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

No data available

6.5. Additional information

See section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

No special handling advices are necessary.

Fire prevent measures:

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Keep container tightly closed and dry.

Keep cool. Protect from sunlight.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints on storage assembly:

none

Storage class (TRGS 510, Germany): 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions:

none

7.3. Specific end use(s)

Recommendation:

refer to chapter 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE) from 23 Jun 2022	Rape oil CAS No.: 8002-13-9 EC No.: 232-299-0	① 5 mg/m ³ ② 20 mg/m ³ ⑤ (alveolengängige Fraktion) DFG, Y
TRGS 900 (DE)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³) ② 400 ppm (1,000 mg/m ³) ⑤ DFG, Y

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8.1.2. Biological limit values

Limit value type (country of origin)	Substance name	Limit value	① Parameter ② Test material ③ Time of sampling: ④ Remark
TRGS 903 (DE) from 1 Nov 2012	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① Aceton ② Blut ③ Expositionsende bzw. Schichtende
TRGS 903 (DE) from 1 Nov 2012	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① Aceton ② Urin ③ Expositionsende bzw. Schichtende

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	500 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects

Substance name	PNEC Value	① PNEC type
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	140.9 mg/L	① PNEC aquatic, freshwater

8.2. Exposure controls

8.2.1. Appropriate engineering controls

All work processes must always be designed so that the following is as low as possible:
Inhalation

8.2.2. Personal protection equipment

Eye/face protection:

Eye protection: not required.

Skin protection:

Hand protection: Hand protection: not required.

Respiratory protection:

With correct and proper use, and under normal conditions, breathing protection is not required.

Other protection measures:

General health and safety measures: Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.
When using do not eat, drink, smoke, sniff.
Wash hands before breaks and after work.

8.2.3. Environmental exposure controls

Dispose of waste according to applicable legislation.
See chapter 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: yellow - grünlich

Odour: characteristic nach Lorbeer

Odour threshold: not determined

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Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	6 - 8	① estimated
Melting point	<i>not determined</i>	① not determined
Freezing point	<i>not determined</i>	
Initial boiling point and boiling range	<i>not determined</i>	① not determined
Decomposition temperature	<i>not determined</i>	
Flash point	<i>not determined</i>	① not determined
Evaporation rate	<i>not determined</i>	
Auto-ignition temperature	<i>not determined</i>	
Upper/lower flammability or explosive limits	<i>not determined</i>	
Vapour pressure	<i>not determined</i>	① not determined
Vapour density	<i>not determined</i>	
Density	<i>not determined</i>	① not determined
Relative density	<i>not determined</i>	
Bulk density	<i>not determined</i>	
Water solubility	<i>not determined</i>	
Partition coefficient: n-octanol/water	<i>not determined</i>	① not determined
Dynamic viscosity	<i>not determined</i>	① not determined
Kinematic viscosity	<i>not determined</i>	

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

This material is considered to be non-reactive under normal use conditions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

Keine Zersetzung bei bestimmungsgemäßer Verwendung.

Bei relativ hohen Temperaturen werden reizende und gesundheitsschädliche Dämpfe freigesetzt.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No. 1272/2008

Acute oral toxicity:

The mixture is classified as not hazardous according to regulation (EC) No. 1272/2008 [CLP].

Acute dermal toxicity:

The mixture is classified as not hazardous according to regulation (EC) No. 1272/2008 [CLP].

Acute inhalation toxicity:

The mixture is classified as not hazardous according to regulation (EC) No. 1272/2008 [CLP].

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Skin corrosion/irritation:

Irritant effect on the skin: non-irritant. The product has not been tested. The statement is derived from the properties of the single components.

Serious eye damage/irritation:

Irritant effect on the eye: non-irritant. The product has not been tested. The statement is derived from the properties of the single components.

Respiratory or skin sensitisation:

The mixture is classified as not hazardous according to regulation (EC) No. 1272/2008 [CLP].

Germ cell mutagenicity:

No experimental indications of in vitro mutagenicity exist.

Carcinogenicity:

No indications of human carcinogenicity exist.

Reproductive toxicity:

No indications of human reproductive toxicity exist.

STOT-single exposure:

The mixture is classified as not hazardous according to regulation (EC) No. 1272/2008 [CLP].

STOT-repeated exposure:

The mixture is classified as not hazardous according to regulation (EC) No. 1272/2008 [CLP].

Aspiration hazard:

The mixture is classified as not hazardous according to regulation (EC) No. 1272/2008 [CLP].

11.2. Information on other hazards

Endocrine disrupting properties:

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no component meets the criteria.

SECTION 12: Ecological information

12.1. Toxicity

propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7

LC₅₀ : 1,400 mg/L 4 d (fish) Source: ECOTOX Database
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EC₅₀ : 13,299 mg/L 2 d (crustaceans) Source : IUCLID
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Aquatic toxicity:

No information available.

Effects in sewage plants:

Mechanische Separation in Kläranlagen ist möglich.

Assessment/classification:

The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No. 1272/2008 [CLP], Annex I.

12.2. Persistence and degradability

propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7

Biodegradation: Yes, rapidly

Biodegradation:

The organic part of the product is biodegradable.

12.3. Bioaccumulative potential

Accumulation / Evaluation:

No indication of bioaccumulation potential.

12.4. Mobility in soil

No adsorption in soil or sediment.

12.5. Results of PBT and vPvB assessment

propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no component meets the criteria.

12.7. Other adverse effects

Further ecological information: No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Consult the appropriate local waste disposal expert about waste disposal.
Vorschlagsliste für Abfallschlüssel/Abfallbezeichnungen gemäß AVV:

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

20 03 99	municipal wastes not otherwise specified
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Remark:

Entsorgung zusammen mit pharmazeutischen Abfällen. Die Entsorgung ist NICHT nachweispflichtig.

Waste treatment options

Appropriate disposal / Package:

Contaminated packages must be completely emptied and can be re-used following proper cleaning.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

Additional information:

-

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: This product is not assigned to a hazard category.

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15.1.2. National regulations

[DE] National regulations

Restrictions of occupation

None

Störfallverordnung (12. BImSchV)

for substances contained in the product:

This product is not assigned to a hazard category.

Water hazard class

WGK:

nwg - non-hazardous to water

Source:

S Selbsteinstufung

Other regulations, restrictions and prohibition regulations

None

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this preparation were not carried out.

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DNEL	derived no-effect level
EC ₅₀	Effective Concentration 50%
ES	Exposure scenario
EWC	European Waste Catalogue
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
IUCLID	International Uniform Chemical Information Database
LC ₅₀	Lethal (fatal) Concentration 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations
ZNS	central nervous system

16.3. Key literature references and sources for data

REACH Dissemination Portal

<https://echa.europa.eu/de/information-on-chemicals/registered-substances>

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No. 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No. 1272/2008 [CLP].

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16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

16.6. Training advice

No data available

16.7. Additional information

This Safety Data Sheet was drawn up by TÜV SÜD Industrie Service GmbH (see below), based on data from the supplier, who is named in section 1 and who is responsible for this document.

TÜV SÜD Industrie Service GmbH
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80686 Munich - Germany