



Safety Data Sheet

according to Regulation (EC) Nr. 1907/2006 (REACH)

Print date: 15.04.2019

Revision number 3.5

Version date: 15.04.2019

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

1.1 Product identifier

· **Product name:** **KERBA-milk test liquid**

· **Product codes:** 1514 and 15141

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

· **Identified uses of the substance or mixture**

Products such as pH-regulators, flocculants, precipitants, neutralizing agents

1.3 Details of the supplier of the safety data sheet

Albert Kerbl GmbH
Felizenzell 9
D-84428 Buchbach
www.kerbl.com
Tel.: 0049-(0)8086-933-100
E-Mail: info@kerbl.com

· **Responsible Department:**

Albert Kerbl GmbH
Tel.: 0049-(0)8086-933-104
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1.4 Emergency telephone number:

Gemeinsames Giftinformationszentrum der Länder Mecklenburg-Vorpommern, Sachsen,
Sachsen-Anhalt und Thüringen
c/o HELIOS Klinikum Erfurt Nordhäuser Straße 74
Tel.: (03 61) 73 07 30 - Fax: (03 61) 7 30 73 17
E-Mail: ggiz@ggiz-erfurt.de - Internet: www.ggiz-erfurt.de

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) Nr. 1272/2008

None

2.2 Label elements

Label elements according to Regulation (EC) Nr. 1272/2008 (CLP/GHS)

Precautionary statements

P102 - Keep out of reach of children.

P305/351/338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Special rules for supplemental label elements for certain mixtures

EUH210 - Safety data sheet available on request.

2.3 Other hazards

· None



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3 Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients:

CAS: 68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	
EC: 500-234-8	Skin Irrit. 2 ; H315 Eye Dam. 1 ; H318	1 - <5 %
REACH: 01-2119488639-16	Aquatic Chronic 3 ; H412	
	<u>SCL:</u> Eye Dam. 1: C ≥ 10 %; Eye Irrit. 2: 5 % ≤ C < 10 %	

Additional information:

The wording of the listed risk phrases and hazard statements refer to section 16.

4 First aid measures

4.1 Description of first aid measures

· **General information:**

As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.

· **Inhalation:**

Move to fresh air. If symptoms persist, call a physician.

· **Skin contact:**

Remove immediately any soiled or splashed garment. Rinse abundantly in the water and in the soap. Clean clothes separately before reusing them. Consult a doctor in case of persistent pain.

· **Eye contact:**

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

· **Ingestion:**

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Keep the person exposed at rest. Do not force vomiting. Seek medical attention, showing the label. If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

4.2 Most important symptoms and effects, both acute and delayed

In case of doubt or if symptoms persist, call a doctor.

4.3 Indication of any immediate medical attention and special treatment needed

None

5 Firefighting measures

5.1 Extinguishing media

Suitable methods of extinction - In the event of a fire, use: sprayed water or water mist, foam, multipurpose ABC powder, BC powder, carbon dioxide (CO₂)

5.2 Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.

5.3 Advice for firefighters

Special protective equipment: Wear self-contained breathing apparatus.



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6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable personal protective equipment. Keep unprotected people away. Risk of slipping. Consult the safety measures listed under headings 7 and 8.

6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system. Prevent any material from entering drains or waterways.

6.3 Methods and material for containment and cleaning up:

Contain and control the leaks or spills with absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal (see chapter 13).

6.4 Reference to other sections

Information regarding safe handling see chapter 7.
Information regarding personal protection see chapter 8.
Information regarding disposal see chapter 13.

7 Handling and storage

7.1 Precautions for safe handling

None

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in a cool, dry place.

Storage class: 12

7.3 Specific end use(s)

None

8 Exposure controls/personal protection

8.1 Control parameters

None

8.2 Exposure controls / Personal protection

Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.



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Eye / face protection

Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles with protective sides in accordance with standard EN166. In the event of high danger, protect the face with a face shield. When spraying, wear a face shield in accordance with standard EN166. Prescription glasses are not considered as protection. Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours. Provide eyewash stations in facilities where the product is handled constantly.

Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact. Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation. Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Natural latex
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)

Recommended properties :

- Impervious gloves in accordance with standard EN374

Skin protection (other than of the hands)

Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.

Respiratory protection

In case of insufficient ventilation, wear respiratory protective equipment with filter.

Thermal hazards

No data available.

Exposure controls regarding environmental protection

No data available.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	liquid
Colour:	colourless
· Odour:	typical
· Smell Threshold:	not determined
· pH:	11.4

· Change of state

Melting point/range:	not determined
Boiling point/range:	not determined

· Flash point: not applicable

· Flammability (solid, gas): not inflammable



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|--|---------------------------------|
| · Ignition temperature: | not determined |
| · Thermal decomposition: | not relevant |
| · Autoinflammability: | not self-flammable |
| · Explosion hazard: | not determined |
| · Explosion limits: | |
| Lower: | not determined |
| Upper: | not determined |
| · Vapour pressure at 20 °C: | not determined |
| · Density: | 1.005 g/cm ³ (20 °C) |
| · Bulk density | not determined |
| · Vapour density | not determined |
| · Evaporation rate | not determined |
| · Solubility / miscibility | |
| Water: | isoluable |
| · Partition coefficient (n-Octanol/Water): | not applicable |
| · Viscosity: | not determined |

9.2 Other information

No data available.

10 Stability and reactivity

10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid:

Heat. Protect against direct sunlight.

10.5 Incompatible materials:

No data available.

10.6 Hazardous decomposition products:

No data available.

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Based on available data, the classification criteria are not met.

Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

Eye damage/irritation:

Based on available data, the classification criteria are not met.

Sensitisation, respiratory or skin:

Based on available data, the classification criteria are not met.



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Carcinogenicity, germ cell mutagenicity, reproductive toxicity (CMR):

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT), single/repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

Additional toxicological information:

Keeping to the general rules of occupational safety and industrial hygiene, there is no risk to the health of personnel when handling this product. Occasional reactions in people with sensitive skin and a tendency to allergies.

12 Ecological information

12.1 Toxicity No data available.

12.2 Persistence and degradability In case of appropriate conduction into adapted biological purification plants no disturbances are expected.

12.3 Bioaccumulative potential No data available.

12.4 Mobility in soil No data available.

12.5 Results of PBT and vPvB assessment No data available.

12.6 Other adverse effects No data available.

13 Disposal considerations

13.1 Waste treatment methods

Recommendation:

Must not be disposed together with household garbage. Do not empty into drains.

Must be supplied to an authorized hazardous waste incineration plant, after pretreatment, in accordance with regulations for special waste.

Uncleaned packaging:

Recommendation: Disposal according to official regulations.

14 Transport information

14.1 UN number Not classified as dangerous good according to transport regulations

14.2 UN proper shipping name none

14.3 Transport hazard class(es) none

14.4 Packing group none

14.5 Environmental hazards none

14.6 Special precautions for user none

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.



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15 Regulatory information

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

EU-Regulations

None

National Regulations

Germany: Wassergefährdungsklasse (WGK)

Non-hazardous to water (nwg) Classification according to AwSV

15.2 Chemical safety assessment: No data available

16 Other information

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Revision notes

* Changes since the last version

Abbreviations

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

Title for H and EUH indications (Number and text)

H315 Causes skin irritation.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

Methods of evaluating information referred to in Article 9 of Regulation (EC) No 1272/2008 for the purpose of classification

Classification based on the components