



Brewferm Biersol

Safety Data Sheet in accordance with 91/155 EEC

1. Name of product, characterization and company name

Information on the product	Alkaline silica sol
Trade name	Brewferm Biersol
Article no	055.015.2-055.017.8
Department giving information	See below

2. Composition/information on the components

Chemical characterization	Colloidal suspension of amorphous silica dioxide stabilised in an alkaline medium [CAS-Nr.: 1343-98-2]
SiO ₂ -content	approx. 30 %
Hazardous ingredients	None

3. Possible hazards

Hazard identification	Not applicable
Special information on hazards for human health and environment	None
Classification system	Not classified

4. First aid measures

General information	None
inhalation	Not applicable.
Skin contact	Rinse with water and soap immediately
Eye contact	Flush eyes thoroughly with plenty of flowing water and seek medical advice
Ingestion	Seek medical advice immediately and present package or product label

**5. Fire-fighting measures**

Suitable fire extinguishing media	Product is not combustible
Personal protective equipment	Not required

6. Accidental release measures

Personal precautions	None
Measures for environment protection	Prevent spilled product from flowing off into the sewage system / surface water / ground water or from oozing in the ground
Methods for cleaning up	Take up by liquid-absorbing material (e.g. sand, kieselguhr, acid binding agent, universal binder, sawdust) and dispose of appropriately

7. Handling and storage

Handling	Packages closed
Information on safe handling	Wear filter mask when spraying the product.
Information on fire and explosion protection	Product is neither combustible nor ignitable or explosive
Storage	Store only in original containers. Use containers made of polyolefines. Do not use containers made of steel
Requirements for storage rooms and containers	Frost-resistant
Information on storage with other products	None
Further information on storage conditions	Protect from light and frost
Storage classification	13
VbF classification	Not applicable

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8. Exposure limits and personal protective equipment

Further information on the design of technical plants	None
Constituents, subject to monitoring of limiting values at the working place	None
Further information	None
Personal protective equipment	Not required
General protective and hygienic measures	The usual precautions for handling chemicals have to be adhered to
Respiratory protection	Not required
Hand protection	Protective gloves
Eye protection	Safety goggles

9. Physical and chemical characteristics

Appearance	Liquid
Colour	Opalescent
Smell	Neutral

Change in physical state	Value/ range	Unit	Method
Melting point	Not applicable		
Boiling point	Approx. 100	°C	

Autoignition	Not applicable
Explosion hazard	Not applicable.
Density	1.195 - 1.210 g/cm ³
Solubility in water	Product can be mixed with water in any ratio.
pH value (20°C)	approx. 8.9 - 9.5

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**10. Stability and reactivity**

Thermal decomposition/conditions to be avoided	None
Hazardous reactions	None
Hazardous decomposition products	None

11. Toxicological information

Acute toxicity	Oral toxicity (rabbits) > 2000 mg/kg
Primary irritation	None
- Dermal	None
- Eye	None
- Sensitisation	None
Further toxicological information	None

12. Ecological information

General information	As an anorganic, non-reducing substance, the product has neither a B.O.D. nor a C.O.D.
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13. Disposal consideration

Product	Disposal should be effected in accordance with current local authority regulations.
Recommendation	None
Contaminated packagings	Disposal should be effected in accordance with current local authority regulations.
Recommendation	None
Recommended cleaning agent	Water

**14. Information on transport**

Transport ADR/RID and GGVS/GGVE
(international/national transport)

ADR-RID-GGVS/E classification

No hazardous good with regard to the above mentioned regulations.

15. Regulations

EC classification	Not subject to identification requirements
Identification letter and hazard symbol of the product	None
Risk phrases	None
Safety phrases	None
National regulations	None
Classification according to VbF	Not applicable
Water endangering classification	WGK nwg: Non-water polluting substance

16. Additional regulations

With the information given, which correspond to our present knowledge and experience, we would like to describe our product in view of security requirements, however, we do not guarantee any product properties or qualities. Laws and regulations currently in force, have to be adhered to by the user.

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