



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

1.1. Product identifier

Elektrolyt GE 08

CAS No.:
EC No.:
INDEX No.:
REACH No.:

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

Relevant identified uses: Industrial uses
Uses advised against: Other

1.3. Details of the supplier of the safety data sheet

Manufacturer

Kai Greising e. K. Clean Marker

Industriestrasse 29/2
D 73340 Amstetten

Telephone: +49 (0) 7331 30 580
Telefax: +49 (0) 7331 981 722

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

Kai Greising e. K. Clean Marker

Industriestrasse 29/2
D 73340 Amstetten

Telephone: +49 (0) 7331 30 580
Telefax: +49 (0) 7331 981 722

Information contact

Kai Greising e. K. Clean Marker

Information telephone: +49 (0) 7331 30 580
Information telefax: +49 (0) 7331 981 722
E-mail (competent person): -
Website: <http://www.greising.com/>

National contact

Kai Greising e. K. Clean Marker

Information telephone: +49 (0) 7331 30 580
Information telefax: +49 (0) 7331 981 722
E-mail (competent person): -
Website: <http://www.greising.com/>

Dept. responsible for information:

Kai Greising e. K. Clean Marker

1.4. Emergency telephone number

Giftnotrufzentrale Freiburg

Telephone: +49 (0) 761 19 240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

2.2. Label elements

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

Hazard pictograms:

Signal word:

Hazard statements:

Precautionary statements:

2.3. Other hazards

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

SECTION 3: Composition / information on ingredients

3.1. Substances

3.2. Mixtures

Mixture of water, minerals and complexing salts

Composition/information on ingredients

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):

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

Additional information

This mixture does not contain any substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC or Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: Change contaminated clothing.

Following inhalation: Provide fresh air. Seek medical attention if problems persist.

Following skin contact: After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

After eye contact: In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek medical attention if problems persist.

After ingestion: Induce vomiting when the affected person is not unconscious. Rinse mouth immediately and drink large quantities of water. Seek medical attention if problems persist.

Self-protection of the first aider: First aid assistant: Pay attention to self-protection!

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

Symptoms: No symptoms known up to now.
Nature of Hazard: No risks worthy of mention.

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

Notes for the doctor: No special measures are necessary.
Special treatment: Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguishing materials should be selected according to the surrounding area.
Unsuitable extinguishing media: High power water jet.

5.2. Special hazards arising from the substance or mixture

Not oxidizing.

5.3. Advice for firefighters

General information

Extinguishing materials should be selected according to the surrounding area. Use water spray/stream to protect personnel and to cool endangered containers.

Special protective equipment for firefighters:
none

Additional information

Do not allow water used to extinguish fire to enter drains or waterways.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Guide people to safety.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

6.3. Methods and material for containment and cleaning up

Treat the assimilated material according to the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid contact with skin and eyes.

Technical measures

No special technical protective measures are necessary

Precautions against fire and explosion

Usual measures for fire prevention.

Additional information

none

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Ensure adequate ventilation of the storage area.

Packaging materials

Keep/Store only in original container.

Requirements for storage rooms and vessels

Keep container tightly closed.

Hints on joint storage

none

Storage class: 12 non-combustible liquids.

Further information on storage conditions

Protect against: heat.

7.3. Specific end use(s)

Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

occupational exposure limit value

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:

Substance with a common (EC) occupational exposure limit value

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:

DNEL-/PNEC-values

DNEL value

Substance:	CAS-No.:	DNEL/DMEL	Industry	Professional	consumer

PNEC Value

Substance:	CAS-No.:	PNEC	Worker, industry	Worker, professional	consumer

Risk management measures according to used control banding approach

none

Additional information

none

8.2. Exposure controls

Occupational exposure controls

Provide for sufficient ventilation and punctiform suction at critical points. Technical measures and the application of adequate working methods take priority over the use of personal protection equipment.

General protection and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Apply skin care products after work. Wash contaminated clothing prior to re-use.

Personal protection equipment

Only wear fitting, comfortable and clean protective clothing.

Respiratory protection

Usually no personal respirative protection necessary.

Hand protection

Hand protection: not required.

Eye/face protection

Tightly sealed safety glasses.

Body protection

Wear suitable protective clothing.

Environmental exposure controls

refer to chapter 7. No further action is necessary.

Consumer exposure controls

refer to chapter 7. No further action is necessary.

Exposure Scenario

none

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Colour:	blue
Odour:	No data available
Odour threshold:	No data available

Safety relevant basis data

	parameter	unit	remark
Density:		1,028 g/cm ³	
Bulk density:			not applicable
pH:		7	
Melting point/freezing point:			No data available
Initial boiling point and boiling range:		100 °C	
Flash point:			none/none
Flammability (solid, gas):			none/none
Explosivity:			not explosive.
Lower explosion limit:			not applicable
Upper explosion limit:			not applicable
Ignition temperature:			none
Decomposition temperature:			No data available
Oxidizing potential:			Not oxidizing.
Vapour pressure:			No data available
Vapour density:			No data available
Evaporation rate:			No data available
Water solubility:			easily soluble.

Fat solubility: No data available
Soluble in: : not applicable
Partition coefficient: n-octanol/water: No data available
Viscosity: No data available
Solvent separation test: No data available
Solvent content: No data available

9.2. Other information

none

SECTION 10: Stability and reactivity

10.1. Reactivity

none

10.2. Chemical stability

With proper storage and handling the product is stable.

10.3. Possibility of hazardous reactions

none

10.4. Conditions to avoid

heat. UV-radiation/sunlight.

10.5. Incompatible materials

none

10.6. Hazardous decomposition products

No data available

Additional information

none

SECTION 11: Toxicological information

11.1. Information on toxicological effects

There are no data available on the preparation/mixture itself.

Acute toxicity

Substance:	CAS-No.:	Toxicological information
-		

Specific symptoms in laboratory animals

none

Irritation and etching

Irritant effect on the skin

Frequently or prolonged contact with skin may cause dermal irritation.

Irritant effect on the eye

Not an irritant.

Irritant effect on the respiratory tract

Not an irritant.

Additional information

none

Sensitization

No information available.

Repeated dose toxicity (subacute, subchronic, chronic)

No information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No indications of human carcinogenicity exist.

Germ cell mutagenicity

No indications of human germ cell mutagenicity exist.

Reproductive toxicity

No indications of human reproductive toxicity exist.

General remarks

none

Practical experience/human evidence

none

Other observations

none

Other information

none

SECTION 12: Ecological information

12.1. Toxicity

There are no data available on the mixture itself.

Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
-		

12.2. Persistence and degradability

The methods for determining the biological degradability are not applicable to inorganic substances.

12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

12.4. Mobility in soil

If product enters soil, it will be mobile and may contaminate groundwater

12.5. Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

none

Further ecological information

Do not empty into drains or the aquatic environment.

Further details

none

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal/Product

Dispose of waste according to applicable legislation.

Appropriate disposal / Package

Cleaned containers may be recycled. Handle contaminated packaging in the same way as the substance itself.

List of proposed waste codes/waste designations in accordance with EWC

Waste disposal according to official state regulations.

Waste code product: 06 03 99 - waste not otherwise specified

Waste code packaging: 15 01 10 - packaging containing residues of or contaminated by dangerous substances

Remark

Waste disposal according to official state regulations.

SECTION 14: Transport information

14.1. UN number

UN No.:

14.2. UN proper shipping name

Official directive for the transport

Not a hazardous material with respect to these transportation regulations

Proper Shipping name

14.3. Transport hazard class(es)

Hazard label(s):

Classification code:

14.4. Packing group

Packing group:

14.5. Environmental hazards

Environmental hazards:

14.6. Special precautions for user

Land transport (ADR/RID)

Remark: Not a hazardous material with respect to these transportation regulations.

Transport category:

Tunnel restriction code:

Special provisions:

Limited quantity (LQ):

Sea transport (IMDG)

Special Provisions:

Remark: Not a hazardous material with respect to these transportation regulations.

EmS-No: MFAG: Marine pollutant:
Special provisions: Limited quantity (LQ):

Air transport (ICAO-TI / IATA-DGR)

Remark: Not a hazardous material with respect to these transportation regulations.

Limited quantity (LQ):

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

Remark:

SECTION 15: Regulatory information

Labeling

Hazardous component(s) for labelling

xxx

Special labelling of particular preparations

Safety data sheet available for professional user on request.

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

EU legislation

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

none

Regulation (EC) No 2037/2000 concerning materials, which cause damage to the ozone layer.

none

Regulation (EC) No. 648/2004 (Detergents regulation)

none

National regulations

Observe in addition any national regulations!

Restrictions of occupation

none

Storage class

12 non-combustible liquids.

Water hazard class (WGK)

1 weak water pollutant (WGK 1)

Other regulations, restrictions and prohibition regulations

none

15.2. Chemical Safety Assessment

For this preparation a chemical safety assessment has been carried out:

For this substance a chemical safety assessment is not required.

SECTION 16: Other information

Relevant H- and EUH-phrases (Number and full text)

Hazard statements

Training advice

none

Recommended restrictions of use

refer to chapter 1.

Further remarks

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Documentation of changes

-

Key literature references and sources for data

Data arise from reference works and literature.

Abbreviations and acronyms

-
