

Safety Data Sheet according to Regulation (EC) No. 1907/2006



Elektrolyte GE 08

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

1.1 Product identifier

Information on the product / trade name:

Elektrolyte GE 08

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

for Surface treatment, only for industrial use

REACH Registration Number:

not relevant (mixture)

1.3 Details of the supplier of the safety data sheet

Information on the manufacturer / supplier:

Kai Greising GmbH

Industriestraße 29/2

73340 Amstetten

Germany

phone: 0049-7331-3058-0

fax: 0049-7331-981722

1.4 Emergency telephone number

Name	Street	Postal code/ city	Telephone	Website
National Poisons Information Service City Hospital	Dudley Rd	B187QH Birmingham	844 892 0111	

Emergency information service Germany **+49-761-19240**

SECTION 2: Hazards identification:

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

2.2 Label elements

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

not required

2.3 Other hazards

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	wt%	Classification acc. To GHS	Pictograms	Notes
Ammonium nitrate	CAS-No: 6484-52-2 EC No 229-347-8 REACH Reg. No 01-2119490981-27- XXXX	1 – 2,5	Ox. Sol. 3 / H272 Eye Irrit. 2 / H319		

Safety Data Sheet according to Regulation (EC) No. 1907/2006



Elektrolyte GE 08

Ammonium chloride	CAS-No: 12125-02-9 EG-No: 235-186-4 REACH Reg. No 01-2119487950-27- xxxx	1 – 2,5	Acute Tox. 4 / H302 Eye Irrit. 2 / H319		
Potassium nitrate	CAS-No 7757-79-1 EC No 231-818-8 REACH Reg. No 01-2119488224- 35-xxxx	2,5 - 5	Ox. Sol. 3 / H272		

Substance, Specific Conc. Limits, M-factors, ATE (pure Ammonium chloride)

Specific Conc. Limits	M-Factors	ATE	Exposure route
-	-	1.410 mg/kg	oral

For full text of abbreviations: see SECTION 16

SECTION 4: First aid measures

4.1 Description of first aid measures



General notes:

Take off contaminated clothing. Show this material safety data sheet to the doctor in attendance.

After inhalation: fresh air.

After skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower.

After eye contact: After eye contact: rinse out with plenty of water. Remove contact lenses.

After swallowing: After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

4.2 Most important symptoms and effects, both acute and delayed

Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media



Suitable extinguishing media

Coordinate fire-fighting measures to the fire surroundings water spray, foam, dry extinguishing powder, carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

Elektrolyte GE 08

5.2 Special hazards arising from the substance or mixture

Not combustible.

Hazardous combustion products

In case of fire may be liberated: Nitrogen oxides (NO_x).

Has a fire-promoting effect due to release of oxygen. Ambient fire may liberate hazardous vapours.

5.3 Advice for firefighters

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures



For non-emergency personnel

Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation.

Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material. Dispose of properly. Clean up affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8.

Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on general occupational hygiene

Keep away from open flames, hot surfaces and sources of ignition.

Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs.

Change contaminated clothing.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Do not store near combustible materials.

Incompatible substances or mixtures

Observe hints for combined storage.

Consideration of other advice

Storage class

• Specific designs for storage rooms or vessels

Recommended storage temperature: 15 - 25 °C.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

Safety Data Sheet according to Regulation (EC) No. 1907/2006



Elektrolyte GE 08

Country	Name of agent	CAS No	Identifier	TWA [mg/ m³]	STEL [mg/ m³]	Ceiling-C [mg/ m³]	Notation	Source
GB	dust	12125-02-9	WEL	10			i	EH40/2005
GB	dust	12125-02-9	WEL	4			r	EH40/2005
GB	ammonium chloride	12125-02-9	WEL	10	20		fume	EH40/2005

Notation

Ceiling-C Ceiling value is a limit value above which exposure should not occur

fume As fume

i Inhalable fraction

r Respirable fraction

STEL Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15- minute period (unless otherwise specified)

TWA Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

Human health values

Relevant DNELs and other threshold levels

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Ammonium chloride	12125-02-9	DNEL	36 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Ammonium chloride	12125-02-9	DNEL	5,12 mg/kg bw/ day	human, dermal	worker (industry)	chronic - systemic effects

Relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Potassium nitrate	7757-79-1	DNEL	20,8 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
Potassium nitrate	7757-79-1	DNEL	36,7 mg/ m³	human, inhalatory	worker (industry)	chronic - systemic effects
Ammonium nitrate	6484-52-2	DNEL	36 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Ammonium nitrate	6484-52-2	DNEL	5,12 mg/kg bw/ day	human, dermal	worker (industry)	chronic - systemic effects

Environmental values

Relevant PNECs and other threshold levels

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Ammonium nitrate	6484-52-2	PNEC	18 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)

Relevant PNECs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold	Organism	Environmental compartment	Exposure time
Potassium nitrate	7757-79-1	PNEC	0,45 mg/l	aquatic organisms	freshwater	short-term (single instance)

Elektrolyte GE 08

Potassium nitrate	7757-79-1	PNEC	0,045 mg/l	aquatic organisms	marine water	short-term (single instance)
Potassium nitrate	7757-79-1	PNEC	4,5 mg/l	aquatic organisms	water	intermittent release
Potassium nitrate	7757-79-1	PNEC	18 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)

8.2 Exposure controls

Individual protection measures (personal protective equipment)



Eye/face protection

Use safety goggle with side protection.

Skin protection



• hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. The times are approximate values from measurements at 22 ° C and permanent contact. Increased temperatures due to heated substances, body heat etc. and a reduction of the effective layer thickness by stretching can lead to a considerable reduction of the breakthrough time. If in doubt, contact manufacturer. At an approx. 1.5 times larger / smaller layer thickness, the respective breakthrough time is doubled / halved. The data apply only to the pure substance. When transferred to substance mixtures, they may only be considered as a guide.

• type of material

NBR (Nitrile rubber)

• material thickness

>0,11 mm

• breakthrough times of the glove material

>480 minutes (permeation: level 6)

Body Protection

protective clothing

• other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.

Respiratory protection



Respiratory protection

Respiratory protection necessary at: Aerosol or mist formation. Required when vapours/aerosols or mist are generated. Recommended Filter type: Filter type ABEK

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer.

These measures have to be properly documented.

Environmental exposure controls

Keep away from drains, surface and ground water.

Elektrolyte GE 08

General protection and hygiene measures:

Do not eat, drink, smoke, or sniff while at work. Wash hands immediately before breaks and after work. Avoid contact with eyes. Keep away from food and beverages.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid (fluid)
Colour	colourless
Odour	odourless
Odour threshold	No data available

Other physical and chemical parameters

pH (value)	(neutral)
Melting point/freezing point	~ 0 °C
Initial boiling point and boiling range	~ 100 °C
Flash point	not determined
Evaporation rate	no data available
Flammability (solid, gas)	not relevant (fluid)
Explosive limits	
• lower explosion limit (LEL)	this information is not available
• upper explosion limit (UEL)	this information is not available
Explosion limits of dust clouds	not relevant
Vapour pressure	This information is not available.
Density	~ 1,03 g/cm ³ at 20 °C
Vapour density	This information is not available.
Bulk density	Not applicable
Relative density	Information on this property is not available.
Solubility(ies)	
Water solubility	miscible in any proportion
Partition coefficient	
n-octanol/water (log KOW)	This information is not available.
Auto-ignition temperature	Information on this property is not available.
Decomposition temperature	no data available
Viscosity	not determined
Explosive properties	none
Oxidising properties	None

9.2 Other information

Information with regard to physical hazard classes: hazard classes acc. to GHS

Other safety characteristics:

Miscibility completely miscible with water

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature (room temperature) and pressure.

10.3 Possibility of hazardous reactions

No known hazardous reactions

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

Elektrolyte GE 08

10.5 Incompatible materials

There is no additional information

10.6 Hazardous decomposition products

Hazardous combustion products: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Mixture

Acute toxicity

Oral: No data available

Inhalation: No data available

Dermal: No data available

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/ EC.

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	Endpoint	Value	Species	Source
Ammonium nitrate	6484-52-2	oral	LD50	>2.462 mg/kg	rat	ECHA
Ammonium nitrate	6484-52-2	dermal	LD50	> 5.000 mg/kg	rat	ECHA
Ammonium nitrate	6484-52-2		LC50	> 88,8 mg/l/4h	rat	ECHA
Ammonium chloride	12125-02-9	oral	LD50	1.410 mg/kg	rat	ECHA
Ammonium chloride	12125-02-9	dermal	LD50	>2.000 mg/kg	rat	ECHA
Potassium nitrate	7757-79-1	oral	LD50	>2.000 mg/kg	rat	ECHA
Potassium nitrate	7757-79-1	dermal	LD50	>5.000 mg/kg	rat	ECHA

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant

• Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

• Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics

• If swallowed

data are not available

• If in eyes

Not an irritant

• If inhaled

essentiell non-irritating

Elektrolyte GE 08

- If on skin
Not an irritant

11.2 Endocrine disrupting properties

Product:

Assessment

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

11.3 Information on other hazards

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time	Source
Ammonium nitrate	6484-52-2	LC50	447 mg/l	fish	48 h	ECHA
Ammonium nitrate	6484-52-2	EC50	490 mg/l	aquatic invertebrate	48 h	ECHA
Ammonium chloride	12125-02-9	LC50	42,91 mg/l	fish	96 h	ECHA
Ammonium chloride	12125-02-9	EC50	101 mg/l	aquatic invertebrate	48 h	ECHA
Potassium nitrate	7757-79-1	LC50	>100 mg/l	fish	96 h	ECHA
Potassium nitrate	7757-79-1	EC50	490 mg/l	aquatic invertebrate	48 h	ECHA

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time	Source
Ammonium nitrate	6484-52-2	ErC50	>1.700 mg/l	algae	10 d	ECHA
Ammonium nitrate	6484-52-2	EC50	>1.000 mg/l	microorganisms	180 min	ECHA
Ammonium chloride	12125-02-9	ErC50	1.300 mg/l	algae	5 d	ECHA
Ammonium chloride	12125-02-9	EC50	2.700 mg/l	algae	18 d	ECHA

Biodegradation

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

12.2 Process of degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

None of the ingredients are listed.

Safety Data Sheet according to Regulation (EC) No. 1907/2006



Elektrolyte GE 08

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods



Consult the appropriate local waste disposal expert about waste disposal.

Sewage disposal-relevant information

Do not empty into drains.

13.2 Relevant provisions relating to waste

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

13.3 Remarks

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional

SECTION 14: Transport information

- | | |
|-------------------------------------------------------------------------|------------------------------------------------------------------------|
| 14.1 UN number | not subject to transport regulations |
| 14.2 UN proper shipping name | not assigned |
| 14.3 Transport hazard class(es) | none |
| Class | --- |
| 14.4 Packing group | not assigned |
| 14.5 Environmental hazards | (non-environmentally hazardous acc. to the Dangerous goods regulation) |
| 14.6 Special precautions for user | There is no additional information. |
| 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code | The cargo is not intended to be carried in bulk. |

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

Dangerous substances with restrictions (REACH, Annex XVII)

Name of substance	Name acc. to inventory	CAS No	Restriction	No
Ammonium nitrate	ammonium nitrate (AN)	6484-52-2	R58	58
Ammonium nitrate	inorganic ammonium salts		R65	65

R58 1. Shall not be placed on the market for the first time after 27 June 2010 as a substance, or in mixtures that contain more than 28 % by weight of nitrogen in relation to ammonium nitrate, for use as a solid fertiliser, straight or compound, unless the fertiliser complies with the technical provisions for ammonium nitrate fertilisers of high nitrogen content set out in Annex III to Regulation (EC) No 2003/2003 of the European Parliament and of the Council (10).

R65 1. Shall not be placed on the market, or used, in cellulose insulation mixtures or cellulose insulation articles after 14 July 2018 unless the emission of ammonia from those mixtures or articles results in a concentration of less than 3 ppm by volume (2,12 mg/m³) under the test conditions specified in paragraph 4.
A supplier of a cellulose insulation mixture containing inorganic ammonium salts shall inform the recipient or consumer of the maximum permissible loading rate of the cellulose insulation mixture, expressed in thickness and density.

A downstream user of a cellulose insulation mixture containing inorganic ammonium salts shall ensure that the maximum permissible loading rate communicated by the supplier is not exceeded.

2. By way of derogation, paragraph 1 shall not apply to placing on the market of cellulose insulation mixtures intended to be used solely for the production of cellulose insulation articles, or to the use of those

Elektrolyte GE 08

mixtures in the production of cellulose insulation articles.

3. In the case of a Member State that, on 14 July 2016, has national provisional measures in place that have been authorised by the Commission pursuant to Article 129(2)(a), the provisions of paragraphs 1 and 2 shall apply from that date.
4. Compliance with the emission limit specified in the first subparagraph of paragraph 1 shall be demonstrated in accordance with Technical Specification CEN/TS 16516, adapted as follows:
 - (a) the duration of the test shall be at least 14 days instead of 28 days;
 - (b) the ammonia gas emission shall be measured at least once per day throughout the test;
 - (c) the emission limit shall not be reached or exceeded in any measurement taken during the test;
 - (d) the relative humidity shall be 90 % instead of 50 %;
 - (e) an appropriate method to measure the ammonia gas emission shall be used;
 - (f) the loading rate, expressed in thickness and density, shall be recorded during the sampling of the cellulose insulation mixtures or articles to be tested.

• **Regulation 649/2012/EU concerning the export and import of hazardous chemicals (PIC)**

None of the ingredients are listed.

• **Regulation 1005/2009/EC on substances that deplete the ozone layer (ODS)**

None of the ingredients are listed.

• **Regulation 850/2004/EC on persistent organic pollutants (POP)**

None of the ingredients are listed.

• **List of substances subject to authorisation (REACH, Annex XIV)**

None of the ingredients are listed.

National regulations(GB)

List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list
not listed

Restrictions according to GB REACH, Annex 17

Dangerous substances with restrictions (GB REACH, Annex 17)			
Name of substance	Name acc. to inventory	CAS No	No
Ammonium chloride	Inorganic ammonium salts		65

Seveso Directive

2012/18/EU (Seveso III)			
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper tier requirements	Notes
	not assigned		

• **Limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products (2004/42/EC, Deco-Paint Directive)**

VOC content 0 % / 0 g/l

• **Directive on industrial emissions (VOCs, 2010/75/EU)**

VOC content 0 % / 0 g/l

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

None of the ingredients are listed.

Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are listed.

Directive 2000/60/EC establishing a framework for Community action in the field of water policy (WFD)

Safety Data Sheet according to Regulation (EC) No. 1907/2006



Elektrolyte GE 08

List of pollutants (WFD)				
Name of	Name acc. to inventory	CAS No	Listed in	Remarks
Ammonium nitrate	Substances which contribute to eutrophication (in particular, nitrates and phosphates)		A)	
Ammonium chloride	Substances which contribute to eutrophication (in particular, nitrates and phosphates)		A)	
Potassium nitrate	Substances which contribute to eutrophication (in particular, nitrates and phosphates)		A)	
Potassium nitrate	Substances and preparations, or the breakdown products of such, which have been proved to possess carcinogenic or mutagenic properties or properties which may affect steroidogenic, thyroid, reproduction or other endocrine-related functions in or via the aquatic environment		A)	
Potassium nitrate	Metals and their compounds		A)	

Legend

A) Indicative list of the main pollutants

Regulation on the marketing and use of explosives precursors

Explosives precursors which are subject to restrictions					
Name of substance	CAS No	Type of registration	Remarks	Limit value	Upper limit value for the purpose of licensing under Article 5(3)
Ammonium	6484-52-2	Annex II			
Potassium nitrate	7757-79-1	Annex II			

Legend

annex II Substances on their own or in mixtures or in substances for which suspicious transactions shall be reported

Additional statements

If the product is passed on to third parties, in accordance with Article 7 "Notification of the supply chain" of Regulation EU 2019/1148, the information obligation is subject to the entire supply chain and all other provisions mentioned in Article 7 on restricted and regulated raw materials.

Regulation on drug precursors

none of the ingredients are listed

Other information

Country	Inventory	Status
AU	AICS	all ingredients are listed
CA	DSL	all ingredients are listed
CN	IECSC	all ingredients are listed
EU	ECSI	all ingredients are listed
EU	REACH Reg.	all ingredients are listed
JP	CSCL-ENCS	all ingredients are listed
KR	KECI	all ingredients are listed
MX	INSQ	all ingredients are listed
NZ	NZIoC	all ingredients are listed
PH	PICCS	all ingredients are listed
TR	CICR	all ingredients are listed
TW	TCSI	all ingredients are listed
US	TSCA	all ingredients are listed

Legend

AICS Australian Inventory of Chemical Substances
CICR Chemical Inventory and Control Regulation
CSCL-ENCS List of Existing and New Chemical Substances (CSCL-ENCS)

Safety Data Sheet according to Regulation (EC) No. 1907/2006



Elektrolyte GE 08

DSL	Domestic Substances List (DSL)
ECSI	EC Substance Inventory (EINECS, ELINCS, NLP)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
INSQ	National Inventory of Chemical Substances
KECI	Korea Existing Chemicals Inventory
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
REACH Reg.	REACH registered substances
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control

15.2 Chemical Safety Assessment

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

SECTION 16: Other Information

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
DGR	Dangerous Goods Regulations (see IATA/DGR)
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EH40/2005	EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-licence/)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
Eye Dam.	seriously damaging to the eye
Eye Irrit.	irritant to the eye
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
GB REACH	The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
index No	the Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008

Safety Data Sheet according to Regulation (EC) No. 1907/2006



Elektrolyte GE 08

Abbr.	Descriptions of used abbreviations
log KOW	n-octanol/water
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NLP	No-Longer Polymer
Ox. Sol.	oxidising solid
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
SVHC	Substance of Very High Concern
VOC	Volatile Organic Compounds
vPvB	very Persistent and very Bioaccumulative

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).
Regulations concerning the International Carriage of Dangerous Goods by Rail (RID).
International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties. The classification is based on tested mixture.
Health hazards. Environmental hazards. The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H272	may intensify fire: OXIDISER
H302	Harmful if swallowed
H319	Causes serious eye irritation

Disclaimer

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. This information is not an assurance of properties.