
1. Material/preparation and company

Trade name:

Electrolyte C

Manufacturer / supplier: BYMAT GmbH
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2. Composition/details of components

Chemical characteristics
Concentrated solution of a mineral acid Hazardous contents

CAS no. <input type="checkbox"/>	Description <input type="checkbox"/>	(Wt. %) classification <input type="checkbox"/>
007664-38-2	Phosphoric acid <input type="checkbox"/>	>40 <input type="checkbox"/> C R 34

3. Possible risks

R sets
34 - has caustic effect

4. First aid

General advice
Immediately take off contaminated, soaked clothing and dispose of safely Following inhalation
Take victim into fresh air and keep calm.
In the event of other difficulties seek doctor's advice. Following skin contact
In the case of skin contact immediately wash with water and soap. Following eye contact
In the case of eye contact immediately wash with lots of water and consult doctor. Following swallowing
Seek doctor's advice
Wash out mouth and drink lots of water.

5. Measures for fire fighting

Suitable washing agents
Extinguishing powder
Carbon dioxide
Water spray jet Unsuitable extinguishing agents for safety reasons
None Special risks from the material, its products of combustion or any gases arising.
None

6. Measures in the event of unintentional release

Environmental measures
In the event of the material getting into the sewage system dilute it with lots of water. Procedures for cleaning/taking up the material
Take up with fluid-binding material (e.g. sand, sawing fines, universal binder, diatomaceous earth).
Neutralize with soda or dissolved lime.

7. Handling and storage

Advice on safe handling
If used correctly no special measures are necessary.

Requirements for storage areas and containers
Suitable materials: PE/PTFE

Storage class 8L

8. Exposure limits and personal protective equipment

Components with limits related to workplace concentrations, which must be monitored

CAS no. <input type="checkbox"/>	Description <input type="checkbox"/>	Type <input type="checkbox"/>	(mg/m ³) <input type="checkbox"/>	(ml/m ³) <input type="checkbox"/>	Remarks <input type="checkbox"/>
	None <input type="checkbox"/>				

Hand protection
Rubber gloves

Eye protection
Close-fitting safety glasses

Body protection
Rubber apron

Hygiene measures
Do not eat or drink during work
Wash hands before breaks and at the end of the shift.

9. Physical and chemical properties

Form
liquid

Colour
colorless

Odour
odorless

Safety-relevant data

ph value in delivery condition

Value
1

Temperature
20 ° C

At Method/notes

Boiling point

120 ° C

Flashpoint

not applicable

Vapour pressure

6 hPA 20 ° C

Density

1.295g / cm³ 20 ° C

Solubility in water

100% 20 ° C

Viscosity 1 dynamic

15mPas 20 ° C

Solvent content

0%

Explosion risk
Not applicable

10. Stability and reactivity

Conditions to avoid
No dangerous reactions known of.

Thermal decomposition

Note: No decomposition if used according to specification

11. Toxicological information

Acute toxicity/ irritant effect/ sensitization

	Value/evaluation <input type="checkbox"/>	Species <input type="checkbox"/>	Method <input type="checkbox"/>	Notes <input type="checkbox"/>
Irritant effect, skin <input type="checkbox"/>	caustic <input type="checkbox"/>			
Irritant effect, eyes <input type="checkbox"/>	caustic <input type="checkbox"/>			
Sensitization <input type="checkbox"/>	non-sensitizing <input type="checkbox"/>			
Sensitization, respiratory system <input type="checkbox"/>	not known <input type="checkbox"/>			

General remarks Classification has been carried out according to the calculation procedures of the Preparations
Guideline (88/379/EEC).

12. Ecological information

Behaviour in sewage systems The product is an acid. Before introducing into the sewage system, neutralization is normally necessary. Further ecological advice

	Value <input type="checkbox"/>	Method <input type="checkbox"/>	Remark <input type="checkbox"/>
AOX value <input type="checkbox"/>	none <input type="checkbox"/>		

General advice

May be neutralized before introduction to sewer or main outfall.

13. Advice on disposal

Waste code 52102, duty to provide evidence Waste disposal Inorganic acids, acid mixtures and caustics (acid) Recommendation for the product Must be discharged via a neutralization plant. Feed to a chemical/physical treatment plant taking account of the local authority's regulations. Recommendation for the packaging Non-contaminated packaging can be reused. Recommended cleaning agent

Aqueous cleaners.

14. Transport regulations

Land transport (ADR/RID/GGVS/GGVE) Description of goods 3264 caustic acidic inorganic liquid substance Corrosive liquid, acidic, inorganic, n.o.s. par example: phosphoric acid 8 / 17c) Class/digit/letter Hazard no. 80 Substance no.

3264

15. Regulations

Marking / identification information The product is classified and marked according to EU Guidelines/GefStoffV

Marking

C caustic R-Sets 34 Has caustic effect

S-Sets

26 36/37/39 45 If it comes into contact with eyes immediately wash off with water and consult doctor.
During work wear suitable protective clothing, safety gloves and glasses or face guard.
In the case of an accident or if feeling unwell immediately find doctor (if possible show him this label). National regulations Incident regulations Incident regulations, Appendix II: Not referred to Classification acc. to VbF

none

- Water hazard class 1 KBwS classification
Miscellaneous regulations, restrictions and prohibition regulations
ZH 1/24.2 „Instruction sheet: Use of hazardous operating substances“

16. Other information □

Further information □

The aforementioned details are based on the latest status of our knowledge and experience and do not claim to be guaranteed properties in the legal sense. □

We do not accept any liability for factors, which are outside our knowledge and control. □

Every user must take the responsibility for testing out the intended applicational area and the respective purpose taking account of any specific special features. □

Sources of the most important data □

The data sheets of the raw materials used, GefStoffV, Technical regulations for hazardous substances (TRGS), TA air, VbF, list of substances which are a hazard to water