

Safety Data Sheet

According to (EG) Nr. 1907/2006

Inner buffer

Article number: 84210

Version: 1.1
actualized: 16.03.2023

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

1.1 Product identifier

Trade name **Inner buffer**
Article number: 84210
Registration number: none

A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Application of the substance: Research and Development

1.3 Details of the supplier of the safety data sheet

Gesellschaft für Gassysteme durch Katalyse und Elektrochemie mbH
Lilienthalstrasse 146
Building 11
34123 Kassel
Germany

Phone: +49 561 59190

Fax: +49 561 59191

E-mail: info@gaskatel.de

1.4 Emergency telephone number

Section 2 Hazards identification

2.1 Classification of the substance or mixture

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

This substance does not meet the criteria for classification according to Regulation No 1272/2008/EC

2.2 Label elements

Not required

Hazard pictograms

Not required

Signal word

Not required

2.3 Other hazards

No additional information available.

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Section 3 Composition/information on ingredients

3.2 Description of the mixture: phosphate mixture

Composition/information on components: No ingredients that must be named according to Regulation (EC) No. 1907/2006

SECTION 4: First aid measures



4.1 Description of first aid measures

After inhalation

Fresh air supply. Provide medical treatment in case of complaints.

After swallowing:

Rinse mouth, spit out liquid again. If you feel unwell, consult a doctor.

After eye contact:

Rinse eye under running water for 10 minutes with eyelids spread wide apart, protecting the uninjured eye. In case of complaints or in case of doubt, seek medical attention.

After skin contact:

Remove wetted clothing. Wash affected skin areas thoroughly under running water with soap. In case of subjectively felt or objectively recognizable skin changes, seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed

No additional information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

Section 5 Firefighting measures



5.1 Extinguishing media

Suitable extinguishing agents:

Adapt extinguishing measures to the environment. Spray water, foam, dry powder, carbon dioxide (CO₂).

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Non-flammable.

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5.3 Advice for firefighters

Staying in the area of danger only with respiratory protection device independent of circulating air.

Additional information: None

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate endangered area, warn affected area. To eliminate the dangerous condition, the danger area may only be entered with suitable protective measures. Wear breathing, eye, hand and body protection (see chapter Personal protective measures).

6.2 Environmental precautions

Do not allow product to reach sewage system or any water course.
Slightly hazardous to water.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binder, universal binder). Dispose of the absorbed material according to regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information

Section 7 Handling and storage

7.1 Precautions for safe handling

Pay attention to cleanliness at the workplace. Do not leave vessels open.
Wash hands before breaks and at the end of work. Keep away from food, drinks, feed.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, dry, well-ventilated place.
Store only in original container. Observe storage instructions for combined storage.

7.3 Specific end use(s)

No further relevant information available.

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Section 8 Exposure controls/personal protection

8.1 Control parameters

No further relevant information available.

8.2 Exposure controls

Technical measures

Technical measures and the application of suitable working procedures have priority over the use of personal protective equipment. See Section 7.

Personal protective equipment

General protective and hygienic measures

Do not eat, drink or smoke while working.
Keep away from foodstuffs, beverages and feed.

Individual protection measures

Eye protection



Tightly sealed goggles.

Protection of hands



The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the resulting standard EN374.

Material of gloves: nitrile rubber
glove thickness: 0.11 mm
Penetration time: >480 min

Respiratory protection



No information available.

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Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Form:	Liquid
Color:	colorless
Odor:	No information available
Odor threshold:	No information available
pH-Value:	pH 7
Melting point:	Not determined
Boiling point/Boiling range:	No information available
Flash point:	Not determined
Flammability (solid, gaseous):	Not relevant
Ignition temperature:	Not applicable
Decomposition temperature:	No information available
Self-igniting:	No information available
Lower explosion limit:	No information available
Upper explosion limit:	No information available
Vapor pressure:	No information available
Vapor density:	No information available
Relative density:	Not determined
Bulk density:	Not applicable
Water solubility:	Mixable in any ratio.
Evaporation rate:	Not applicable
Distribution coefficient (n-Octanol/Water):	No information available
Viscosity dynamic:	Not determined
Explosive properties:	Not to be classified as explosive
Oxidizing properties:	No information available

Section 10 Stability and reactivity

10.1 Reactivity

No dangerous reactions are expected when used as intended.

10.2 Chemical Stability

Under normal conditions the product is chemically stable.

10.3 Possibility of hazardous reactions

No further information available.

10.4 Conditions to avoid

No Information available.

10.5 Incompatible materials

No Information available.

10.6 Hazardous decomposition products:

No Information available.

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Section 11 Toxicological information

11.1 Information on toxicological effects

Product is not classified as acutely toxic.
Product is not to be classified as skin corrosive/irritant.
Product is not to be classified as severely eye-damaging or eye-irritating.
Product is not to be classified as inhalation or skin allergen.

Section 12 Ecological information

12.1 Toxicity

Product is not to be classified as hazardous to water.

12.2 Persistence and degradability

Not applicable.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

The product is soluble in water.

12.5 Results of PBT and vPvB assessment

A PBT / vPvB assessment is not applicable since it is an inorganic substance or an inorganic mixture.

12.6 Other adverse effects

No information available.

Section 13 Disposal considerations

13.1 Waste treatment methods

Keep chemicals in original containers. Do not mix with other wastes.
Uncleaned containers should be handled according to the product.
Product residues should be disposed of in accordance with the national and regional fonts.

Section 14 Transport informations

Land transport (ADR/RID) 14.1 - 14.6	Not relevant
Inland waterway transport (ADN)	Not relevant
Air Transport (IATA) 14.1 - 14.6	Not relevant
Sea transport (IMDG) 14.1 - 14.6	Not relevant

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

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Section 15 Regulatory information

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

National Regulations

Information about limitation of use:

Employment restrictions concerning pregnant and lactating women must be observed.
Employment restrictions concerning juveniles must be observed.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

Section 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

[Abb. des Europäischen Chemikalienrechts \(ECHA\)](#)

ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures
ADR	Accord européen relatif au transport international des marchandises dangereuses par route
BCF	BioConcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals"
IMDG	International Maritime Dangerous Goods
MARPOL	Marine Pollutant
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses
vPvB	very Persistent and very Bioaccumulative