

RCT CR Concrete Retarder A5

Page 1 of 6

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

1.1. Product identifier

RCT CR Concrete Retarder A5

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

Use of the substance/mixture

Concrete/mortar - admixture for industrial and professional users

1.3. Details of the supplier providing the safety data sheet

Company name: Reisacher Chemie & Technik GmbH
Street: Hermann-Krum-Str. 7
Place: 88319 Aitrach (Germany)
Phone: +49 7565 942687 - 0 Telefax: +49 7565 942687 - 90
E-Mail: info@rct-germany.de
Contact person: Dr. Rockermaier
E-Mail: m.rockermaier@rct-germany.de
Homepage: www.rct-germany.de
Informing department: Laboratory

1.4. Emergency phone number:

+49 7565 942687 - 0

The emergency number is only available on weekdays (Mon-Fri) from 8:30 to 16:00 (CET).

SECTION 2: Possible hazards

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

not applicable

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

Hazard categories:

Eye Irrit. 2

2.2. Label elements:

Signal word: Caution
Pictograms: GHS07



Hazard statements:

H319 Causes severe eye irritation.

Safety advice

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash thoroughly after use.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove existing contact lenses if possible. Continue to rinse.

P337+P313 If eye irritation persists: Get medical advice/attention.

Special labelling of certain mixtures

2.3. Other hazards

SECTION 3: Composition/Information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Chemical characterization

Aqueous salt solution

RCT CR Concrete Retarder A5

Page 2 of 6

Hazardous ingredients

EC-No.	Designation	Proportion
CAS-No.	Classification according to Directive 67/548/EEC	
Index-No.	Classification according to Regulation (EC) No 1272/2008 [CLP]	
REACH-No.		
230-785-7	Tetrapotassium diphosphate	10 - 25%
7320-34-5	Xi, R36	
	Eye Irrit. 2, H319	

Wording of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice

Symptoms of poisoning may not appear for many hours. Therefore medical monitoring should be done at least 48 hours after an accident.

After inhalation

If feeling unwell or having difficulty breathing, supply fresh air. If symptoms persist seek medical advice.

After contact with skin

Wash with plenty of soap and water.

After contact with eyes

Rinse opened eye for several minutes with running water and seek medical advice.

After ingestion

Consult a doctor if symptoms persist.

SECTION 5: Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media

Adapt fire extinguishing measures to the surroundings.

Unsuitable extinguishing media

5.2. Special hazards arising from the substance or mixture

No further relevant information available.

5.3. Advice for fire fighting

Wear self-contained breathing apparatus.

Additional information

Product itself does not burn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2. Environmental precautions

Do not allow to enter drains, water courses or soil.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder, sawdust) and dispose of as described in section 13.

6.4. Reference to other sections

Safe handling: see section 7

Personal protective equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Protective measures for safe handling

Precautions for safe handling

No special measures required if used correctly.

Fire and explosion protection precautions

No special measures required.

RCT CR Concrete Retarder A5

Page 3 of 6

7.2. Conditions for safe storage taking into account incompatibilities

Requirements for storage rooms and containers

Store in a cool place.

Information on storage in one common storage facility

Please observe the VCI concept for the storage of chemicals together.

Further information on storage conditions

Protect from frost.

Storage class:

VCI Storage Class: 12 (Non-combustible liquids)

7.3. Specific end use

No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional advice on the design of technical equipment

No further information, see section 7.

8.1. Parameters to be monitored

The product does not contain any relevant quantities of substances with workplace-related limit values to be limit values to be monitored.

8.2. Exposure controls and monitoring



Suitable technical control equipment

Protective and hygienic measures

The usual precautionary measures for handling chemicals must be observed.

Immediately remove contaminated, soaked clothing and do not use again until cleaned.

Avoid contact with eyes and skin.

Wash hands before breaks and at the end of work.

Eye/face protection

Safety glasses.

Hand protection

Gloves made of nitrile, butyl rubber.

Glove material: butyl rubber - II R : thickness 0,425mm; breakthrough time 480 min

Penetration time of the glove material:

The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.

Body protection

Protective work clothing

Respiratory protection

Not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:		liquid
Color:		red
Odor:		characteristic
pH value at 20 °C:		10.5
Melting point/Melting range:		not determined
Boiling point/Boiling range:	(1013 hPa)	not determined
Flash point:		not applicable
Density:	(20°C)	approx. 1.2 g/cm ³
Solubility in / Miscibility with Water:		soluble

RCT CR Concrete Retarder A5

Page 4 of 6

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

No decomposition when used as directed.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

No hazardous decomposition products known if used as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Akute toxicity

CAS-No.	Designation	Method	Dose	Species
7320-34-5	Tetrakaliumdiphosphat			
	oral	LD50	>2000 mg/kg	mouse

Primary irritant effect:

No irritant effect known.

On the skin:

No irritant effect

On the eye:

No irritant effect

Sensitization:

No sensitizing effect known

Additional toxicological information:

The product is not subject to classification according to the calculation procedure of the General Classification guideline for preparations of the EC in the latest valid version.

According to our experience and the information available to us, the product does not cause any harmful effects when handled and used as directed.

SECTION 12: Environmental information

12.1. Toxicity

No further relevant information available.

12.2. Persistence and degradability

No further relevant information available.

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects

No further relevant information available.

Further information

Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

13.1. Waste treatment procedures

Recommendation

Must not be disposed of together with household waste. Do not allow to enter drains.

RCT CR Concrete Retarder A5

Page 5 of 6

Waste code product

07 06 08 / WASTES FROM ORGANIC CHEMICAL PROCESSES
wastes from MFSU of greases, lubricants, soaps, detergents, disinfectants and personal care products
other reaction and distillation residues

Waste code uncleaned packaging

Disposal in accordance with official regulations.

Recommended cleaning agent:

Water, if necessary with the addition of cleaning agents.

SECTION 14: Transport information

Land transport (ADR/RID)

UN-number	not applicable
UN proper shipping name:	not applicable
Transport hazard class:	not applicable
Packing group:	not applicable
Hazard label:	not applicable
Classification code:	not applicable
Special regulations:	not applicable
Limited quantity:	not applicable
Hazard number:	not applicable
Tunnel restriction code:	not applicable

Inland waterway transport (ADN)

not applicable

Marine transport (IMDG)

not applicable

Air transport (ICAO)

not applicable

SECTION 15: Legislation

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

EU regulations

National regulations

Water hazard class	1 - slightly hazardous to water
	Mixture rule according to VwVwS

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Wording of R-phrases (number and full text)

36	Irritating to eyes.
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Wording of H and EUH phrases (number and full text)

H319	Causes severe eye irritation.
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RCT CR Concrete Retarder A5

Page 6 of 6

Further information

The data of the hazardous ingredients were taken from the latest safety data sheet of the supplier. The information is based on our present knowledge, but does not constitute a guarantee of product properties and does not establish a contractual legal relationship.