

RCT Pure-Color

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

1.1. Product identifier

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

Use of the substance/mixture

Concrete/mortar admixtures

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/EWG or 1999/45/EG

Hazard designation: not applicable

R-Phrases:

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

Hazard categories:

Eye Irrit. 2 H319 Causes severe eye irritation.

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.
P363 Wash contaminated clothing before reuse.
P337+P313 If eye irritation persists: Get medical advice/attention.

Special labelling of certain mixtures

2.3. Other hazards

Contains triisobutyl phosphate. May cause allergic reactions.

SECTION 3: Composition/Information on ingredients

3.1. Substances

not applicable

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3.2. Mixtures

Chemical characterization

Emulsion of different fatty acids

Hazardous ingredients

EG-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.		
	Fat alcohol ethoxylate	< 2,5%
68439-49-6	Xn R22; Xi R41; N R50	
	Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302	
204-798-3	Triisobutyl phosphate	< 0,5%
126-71-6	Xi R43	
	Skin Sens. 1, H317	

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice

For any first aid measure: always observe self-protection of the first aider (e.g. wear protective gloves).

After inhalation

In case of indisposition or breathing difficulties: Supply fresh air or oxygen; seek medical assistance.

After contact with skin

Wash off with soap and water.

After contact with eyes

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

After ingestion

Rinse mouth, drink plenty of water in small sips and seek immediate medical advice.

Show the package or label to the attending physician.

SECTION 5: Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam.

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

The local emergency plan must be observed.

Risk of bursting and explosion due to increase in pressure when heated. In case of fire, cool containers stored in the vicinity with water spray.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Move persons to safety.

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

Scatter residues e.g. with sand and remove mechanically.

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6.4. Reference to other sections

For information on safe handling, see section 7.
For information on personal protective equipment see section 8.
For information on disposal, see section 13.

SECTION 7: Handling and storage

7.1. Protective measures for safe handling

Precautions for safe handling

Keep the product out of the reach of children.

Fire and explosion protection precautions

No special measures required.

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

none

VCI storage class: 12 (Non-flammable 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

Provide washing facilities in the work area.

Provide eye wash or eye spray bottle.

8.1. Parameters to be monitored

Occupational exposure limits

CAS-No.	Designation	Specification	ppm	mg/m ³	Category	Remark	
57-10-3	Cetylic acid (< 2,5%)						MAK cf. Section IIb
544-63-8	Myristic acid (< 2,5%)						MAK cf. Section IIb

8.2. Exposure controls and monitoring



Suitable technical control equipment

Protective and hygienic measures

Observe the usual precautionary measures when handling chemicals.
Avoid contact with eyes and skin. Change clothing that is heavily contaminated with this product.
Ensure thorough skin cleansing after work and before breaks.

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.

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Respiratory protection

Not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:		liquid
Color:		according to product name
Odor:		characteristic
pH value	at 20 °C:	6
Melting point/Melting range:		not determined
Boiling point/Boiling range:	(1013 hPa)	not determined
Flash point:		not applicable
Autoflammability:		The product is not autoflammable.
Explosion hazard:		The product is not explosive.
Density:	(20°C)	0.975 g/cm ³
Solubility in / Miscibility with Water:		completely miscible
Viscosity: kinematic	at 20 °C:	14 s (ISO 4 mm)

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

No decomposition if 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 dangerous decomposition products known if used as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Akute toxicity

There are no data for the preparations/mixture itself.

CAS-No.	Designation	Method	Dose	Species
68439-49-6	Fatty alcohol ethoxylate			
	oral	LD50	500-2000 mg/kg	rat

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 labeling due to the calculation procedure of the General Classification guideline for preparations of the EC in the latest valid version.

Other test data

SECTION 12: Environmental information

12.1. Toxicity

No data are available for the mixture. The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the individual components (see Section 3).

CAS-No.	Designation	Method	Dose	Duration	Species
	Aquatic toxicity				

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68439-49-6	Fatty alcohol ethoxylate			
	acute bacterial toxicity	EC50	>1000 mg/l	Pseudomas putida

12.2. Persistence and degradability

No further relevant information available.

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Bioaccumulative potential

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

Do not allow undiluted product or large quantities to reach ground water, water courses or sewage system.

SECTION 13: Disposal considerations

13.1. Waste treatment procedures

Recommendation

Transfer to approved waste management companies.

Waste code product

16 07 08 / WASTES NOT MENTIONED ELSEWHERE IN THE LIST
wastes from cleaning of transport and storage tanks and drums (except 05 and 13)
wastes containing oil

Uncleaned packing

Recommendation: Dispose of in accordance with official regulations.

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

Inland waterway transport (ADN)

UN-number not applicable
UN proper shipping name: not applicable
Transport hazard class: not applicable
Packing group: not applicable

Marine transport (IMDG)

UN-number not applicable
UN proper shipping name: not applicable
Transport hazard class: not applicable
Packing group: not applicable
Marine Poll.: no

Air transport (ICAO)

UN-number not applicable
UN proper shipping name: not applicable
Transport hazard class: not applicable
Packing group: not applicable

14.6 Special precautions for the user

Not applicable.

14.7 Bulk transport according to Annex II of MARPOL 73/78 and according to the IBC Code

Not applicable.

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SECTION 15: Legislation

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

National regulations

Ordinance on Industrial Safety and Health (BetrSichV)	-
Water hazard class WGK 1 (self-classification):	slightly hazardous to water. The classification of the water hazard class was made according to the regulations of the VwVwS („Verwaltungsvorschrift wassergefährdende Stoffe“) from the data of the raw materials according to the flow chart for the determination of a mixture WGK (Appendix 4).

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)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
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
Acute Tox. 4: Acute toxicity, Hazard Category 4
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

Wording of R-phrases (number and full text)

R22	Harmful if swallowed.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.
R50	Very toxic to aquatic organisms.

Wording of H- and EUH-phrases (number and full text)

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.

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.