

Safety Data Sheet

Rheovis® CDE

Revision date : 2019/11/01

Version: 6.1

Page: 1/11

(30475058/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

Rheovis® CDE

Recommended use of the chemical and restriction on use

Recommended use*: Raw material for the chemical-technical industry

Recommended use*: Chemical for detergents

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

BASF CORPORATION

100 Park Avenue

Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Chemical family:

Dispersion based on: cationic, ester, acrylic homopolymer

Synonyms:

Cationic acrylic homopolymer dispersed in an ester

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Aquatic Acute	2	Hazardous to the aquatic environment - acute
Aquatic Chronic	2	Hazardous to the aquatic environment - chronic

Label elements

Safety Data Sheet

Rheovis® CDE

Revision date : 2019/11/01
Version: 6.1

Page: 2/11
(30475058/SDS_GEN_US/EN)

Pictogram:



Signal Word:
Danger

Hazard Statement:

H318	Causes serious eye damage.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear eye/face protection.
P273	Avoid release to the environment.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P391	Collect spillage.

Precautionary Statements (Disposal):

P501	Dispose of contents/container to hazardous or special waste collection point.
------	---

Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
Trade Secret	>= 0.2 - < 1.0%	Proprietary Acid
Trade Secret	>= 25.0 - < 75.0%	QAC triMe ethyl Methacrylate, Cl, polymer
84133-50-6	>= 5.0 - < 7.0%	ALCOHOLS, C12/C14-SECONDARY, ETHOXYLATED
Trade Secret	>= 3.0 - < 5.0%	Proprietary Distillates

4. First-Aid Measures

Description of first aid measures

General advice:

Remove contaminated clothing.

If inhaled:

Immediately administer a corticosteroid from a controlled/metered dose inhaler.

If on skin:

Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.

Safety Data Sheet

Rheovis® CDE

Revision date : 2019/11/01
Version: 6.1

Page: 3/11
(30475058/SDS_GEN_US/EN)

If in eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: Additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment:	Treat according to symptoms (decontamination, vital functions), no known specific antidote.
------------	---

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, dry powder, foam

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
combustible toxic substances, carbon oxides, nitrogen oxides

Advice for fire-fighters

Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Further accidental release measures:

High risk of slipping due to leakage/spillage of product.

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Information regarding personal protective measures, see section 8.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

Safety Data Sheet

Rheovis® CDE

Revision date : 2019/11/01

Version: 6.1

Page: 4/11

(30475058/SDS_GEN_US/EN)

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).
Dispose of absorbed material in accordance with regulations.
For large amounts: Pump off product.
Place absorbed material in the same container as the spilled substance/product for disposal.

7. Handling and Storage

Precautions for safe handling

No special measures necessary provided product is used correctly. Check peroxide content before use

Conditions for safe storage, including any incompatibilities

Suitable materials for containers: High density polyethylene (HDPE)

Further information on storage conditions: Keep container tightly closed in a cool, well-ventilated place.

Storage stability:

Storage temperature: 5 - 30 °C

The solids can precipitate below the mentioned temperature, but the liquid can easily be reconstituted by heating above the mentioned temperature.

Protect from temperatures below: 5 °C

The solids can precipitate below the mentioned temperature, but the liquid can easily be reconstituted by heating above the mentioned temperature.

Protect from temperatures above: 30 °C

The packed product must be protected against exceeding the indicated temperature.

8. Exposure Controls/Personal Protection

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Tightly fitting safety goggles (chemical goggles).

Body protection:

Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Form: dispersion
Odour: product specific

Safety Data Sheet

Rheovis® CDE

Revision date : 2019/11/01
Version: 6.1

Page: 5/11
(30475058/SDS_GEN_US/EN)

Odour threshold:	Not determined due to potential health hazard by inhalation.	
Colour:	white	
pH value:	approx. 3.5	(DIN 19268)
pour point:	approx. 9 °C	
Boiling point:	approx. 150 °C	
Flash point:	131.5 °C	(DIN EN 22719; ISO 2719)
Flammability:	not highly flammable	
Lower explosion limit:	For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	not determined	
Vapour pressure:	not determined	
Density:	1.0481 g/cm3 (15 °C)	(DIN 51757)
	1.0454 g/cm3 (20 °C)	(DIN 51757)
	1.0426 g/cm3 (25 °C)	(DIN 51757)
	1.0289 g/cm3 (50 °C)	(calculated)
	1.0261 g/cm3 (55 °C)	(calculated)
Relative density:	No data available.	
Vapour density:	not determined	
Partitioning coefficient n-octanol/water (log Pow):	Study does not need to be conducted.	
Self-ignition temperature:	not self-igniting	
Thermal decomposition:	> 100 °C	
Viscosity, dynamic:	1,200 - 3,500 mPa.s (25 °C)	(DIN EN ISO 2555)
Particle size:	The substance / product is marketed or used in a non solid or granular form.	
% volatiles:	not determined	
Solubility in water:	(25 °C) dispersible	
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

10. Stability and Reactivity

Reactivity

water, No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties:
not fire-propagating

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Safety Data Sheet

Rheovis® CDE

Revision date : 2019/11/01

Version: 6.1

Page: 6/11

(30475058/SDS_GEN_US/EN)

Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.
The product is chemically stable.

Conditions to avoid

See SDS section 7 - Handling and storage.

Incompatible materials

strong oxidizing agents, strong bases, strong acids, water

Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

> 100 °C

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Oral

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg (calculated)

The product has not been tested. The statement has been derived from the properties of the individual components.

Inhalation

Type of value: ATE

Value: > 20 mg/l (calculated)

Determined for vapor The product has not been tested. The statement has been derived from the properties of the individual components.

Type of value: ATE

Value: > 5 mg/l (calculated)

Determined for mist The product has not been tested. The statement has been derived from the properties of the individual components.

Dermal

Type of value: ATE

Value: > 5,000 mg/kg (calculated)

The product has not been tested. The statement has been derived from the properties of the individual components.

Assessment other acute effects

No data available.

Safety Data Sheet

Rheovis® CDE

Revision date : 2019/11/01

Version: 6.1

Page: 7/11

(30475058/SDS_GEN_US/EN)

Skin

Species: rabbit

Result: non-irritant

Method: OECD Guideline 404

Information on: Alcohols, C11-15-secondary, ethoxylated

Species: rabbit

Result: Irritant.

Method: OECD Guideline 404

Eye

Species: rabbit

Result: Risk of serious damage to eyes.

Method: OECD Guideline 405

Information on: Alcohols, C11-15-secondary, ethoxylated

Species: rabbit

Result: Risk of serious damage to eyes.

Method: OECD Guideline 405

Sensitization

Patch-Test

Species: human

Result: Non-sensitizing.

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: No data available.

Genetic toxicity

Assessment of mutagenicity: The substance was not mutagenic in bacteria. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Carcinogenicity

Assessment of carcinogenicity: None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.

Reproductive toxicity

Assessment of reproduction toxicity: No data available.

Teratogenicity

Assessment of teratogenicity: No data available.

Symptoms of Exposure

Additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

Safety Data Sheet

Rheovis® CDE

Revision date : 2019/11/01
Version: 6.1

Page: 8/11
(30475058/SDS_GEN_US/EN)

12. Ecological Information

Toxicity

Toxicity to fish
LC50 (96 h), Fish
not determined

Aquatic invertebrates
LC50 (48 h), daphnia
not determined

Aquatic plants
EC50 (72 h) > 1 - 10 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201)
The details of the toxic effect relate to the nominal concentration.

EC10 (72 h) > 1 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201)
The details of the toxic effect relate to the nominal concentration.

Chronic toxicity to fish
No observed effect concentration (36 d) > 1 - 10 mg/l, Brachydanio rerio (OECD Guideline 210, semistatic)
Nominal concentration.

Chronic toxicity to aquatic invertebrates
No observed effect concentration (21 d) > 0.1 - 1 mg/l, Daphnia magna (OECD Guideline 211, semistatic)
The details of the toxic effect relate to the nominal concentration.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms
EC50: > 100 mg/l

Persistence and degradability

Assessment biodegradation and elimination (H₂O)
Well eliminable from water by adsorption on activated sludge.

Not readily biodegradable (by OECD criteria).

Elimination information

> 70 % (OECD 302B; ISO 9888; 88/302/EEC, part C) Well eliminable from water by adsorption on activated sludge.

Bioaccumulative potential

Assessment bioaccumulation potential
The product has not been tested.

Bioaccumulation potential
Significant accumulation in organisms is not to be expected.

Mobility in soil

Safety Data Sheet

Rheovis® CDE

Revision date : 2019/11/01

Version: 6.1

Page: 9/11

(30475058/SDS_GEN_US/EN)

Assessment transport between environmental compartments

No data available.

Additional information

Add. remarks environm. fate & pathway:

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Other ecotoxicological advice:

Do not allow to enter soil, waterways or waste water channels.

13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal:

Dispose of in accordance with national, state and local regulations.

RCRA:

Not a hazardous waste under RCRA (40 CFR 261).

14. Transport Information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Hazard class: 9

Packing group: III

ID number: UN 3082

Hazard label: 9, EHS

Marine pollutant: YES

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains ETHANAMINIUM, N,N,N-TRIMETHYL-2-[(2-METHYL-1-OXO-2-PROPENYL)OXY]-, CHLORIDE, HOMOPOLYMER, NAPHTHA/PETROLEUM)

Air transport

IATA/ICAO

Hazard class: 9

Packing group: III

ID number: UN 3082

Hazard label: 9, EHS

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains ETHANAMINIUM, N,N,N-TRIMETHYL-2-[(2-METHYL-1-OXO-2-PROPENYL)OXY]-, CHLORIDE, HOMOPOLYMER, NAPHTHA/PETROLEUM)

Safety Data Sheet

Rheovis® CDE

Revision date : 2019/11/01
Version: 6.1

Page: 10/11
(30475058/SDS_GEN_US/EN)

15. Regulatory Information

VOC content:

not determined

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

<u>CERCLA RQ</u>	<u>CAS Number</u>	<u>Chemical name</u>
1000 LBS	108-88-3	Toluene
100 LBS	91-20-3	naphthalene

State regulations

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
NJ	Trade Secret	Proprietary Distillates
PA	Trade Secret	Proprietary Distillates

Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:

WARNING: This product can expose you to chemicals including NAPHTHALENE, which is known to the State of California to cause cancer, and TOLUENE, which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

NFPA Hazard codes:

Health: 3 Fire: 1 Reactivity: 0 Special:

HMIS III rating

Health: 3 Flammability: 1 Physical hazard: (Essentially no hazard)

16. Other Information

SDS Prepared by:

BASF NA Product Regulations
SDS Prepared on: 2019/11/01

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

Safety Data Sheet

Rheovis® CDE

Revision date : 2019/11/01

Page: 11/11

Version: 6.1

(30475058/SDS_GEN_US/EN)

Rheovis® CDE is a registered trademark of BASF Corporation or BASF SE

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.

END OF DATA SHEET