

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

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

### 1.1 Product identifier

Trade name : CEPC

REACH Registration Number : 01-2119965138-30-0001

Substance name : Dihexadecyl peroxodicarbonate

EC-No. : 247-611-0

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

Use of the Sub-  
stance/Mixture : polymerisation initiators

### 1.3 Details of the supplier of the safety data sheet

Company : United Initiators GmbH  
Dr.-Gustav-Adolph-Str. 3  
82049 Pullach

Telephone : +49 / 89 / 74422 – 0

E-mail address of person  
responsible for the SDS : contact@united-in.com

### 1.4 Emergency telephone number

0800 000 7801 (toll-free, access from Germany only) +49 89 220 61012

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Organic peroxides, Type F H242: Heating may cause a fire.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version 2.5      Revision Date: 18.06.2024      SDS Number: 600000000005      Date of last issue: 09.03.2023  
Date of first issue: 09.03.2016

---

Signal word : Warning

Hazard statements : H242 Heating may cause a fire.

Precautionary statements : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P234 Keep only in original packaging.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

**Response:**  
P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

**Storage:**  
P411 Store at temperatures not exceeding 30 °C.  
P420 Store separately.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Substance name : Dihexadecyl peroxodicarbonate

EC-No. : 247-611-0

Chemical nature : Organic Peroxide  
Solid

#### Components

Chemical name	CAS-No. EC-No.	Concentration (%) w/w)	M-Factor, SCL, ATE
Dihexadecyl peroxodicarbonate	26322-14-5 247-611-0	<= 100	

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

---

---

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : Take off contaminated clothing and shoes immediately.  
Never give anything by mouth to an unconscious person.  
If unconscious, place in recovery position and seek medical advice.  
Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- Protection of first-aiders : First Aid responders should pay attention to self-protection and use the recommended protective clothing
- If inhaled : Administer oxygen if breathing is difficult or cyanosis is observed.  
If breathed in, move person into fresh air.  
If not breathing, give artificial respiration.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If symptoms persist, call a physician.  
Wash contaminated clothing before re-use.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
If symptoms persist, call a physician.

#### 4.2 Most important symptoms and effects, both acute and delayed

None known.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically and supportively.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

---

---

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Water spray jet  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : High volume water jet

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Risk of explosion if heated under confinement.  
Possible emission of gaseous decomposition products may lead to a dangerous pressure build-up.  
Avoid confinement.  
Contact with incompatible materials or exposure to temperatures exceeding SADT may result in a self-accelerating decomposition reaction with release of flammable vapors which may auto-ignite.  
The product burns violently.  
Flash back possible over considerable distance.  
Do not allow run-off from fire fighting to enter drains or water courses.  
Vapours may form explosive mixtures with air.  
The product will float on water and can be reignited on surface water.  
Cool closed containers exposed to fire with water spray.

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

Specific extinguishing methods : Do not use a solid water stream as it may scatter and spread fire.  
Remove undamaged containers from fire area if it is safe to do so.  
Use water spray to cool unopened containers.

Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use a water spray to cool fully closed containers.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

---

---

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Follow safe handling advice and personal protective equipment recommendations.  
Use personal protective equipment.  
Avoid dust formation.  
Remove all sources of ignition.  
Never return spills in original containers for re-use.  
Treat recovered material as described in the section "Disposal considerations".

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contact with incompatible substances can cause decomposition at or below SADT.  
Clear spills immediately.  
Suppress (knock down) gases/vapours/mists with a water spray jet.  
To clean the floor and all objects contaminated by this material, use plenty of water.  
Soak up with inert absorbent material.  
Isolate waste and do not reuse.  
Non-sparking tools should be used.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Advice on safe handling : Open drum carefully as content may be under pressure.  
Protect from contamination.  
Do not breathe vapours/dust.  
Take precautionary measures against static discharges.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

---

Never return any product to the container from which it was originally removed.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Avoid confinement.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Smoking, eating and drinking should be prohibited in the application area.  
Wash thoroughly after handling.  
For personal protection see section 8.

Advice on protection against fire and explosion : Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from heat and sources of ignition. Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition. Keep away from combustible material. Provide appropriate exhaust ventilation at places where dust is formed.

Hygiene measures : Avoid contact with skin, eyes and clothing. Keep away from food and drink. When using do not eat or drink. When using do not smoke. Wash hands before breaks and immediately after handling the product.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Store in cool place. Keep in a well-ventilated place. Contamination may result in dangerous pressure increases - closed containers may rupture. Observe label precautions. Store in accordance with the particular national regulations. Avoid impurities (e.g. rust, dust, ash), risk of decomposition. Electrical installations / working materials must comply with the technological safety standards. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Advice on common storage : Keep away from combustible materials.  
Keep away from strong acids, bases, heavy metal salts and other reducing substances.

Storage class (TRGS 510) : 5.2

Recommended storage temperature : < 20 °C

Further information on storage stability : Stable under recommended storage conditions.

### 7.3 Specific end use(s)

Specific use(s) : For further information, refer to the product technical data

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version 2.5      Revision Date: 18.06.2024      SDS Number: 600000000005      Date of last issue: 09.03.2023  
Date of first issue: 09.03.2016

sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Dust      10 mg/m<sup>3</sup>  
Peak-limit: excursion factor (category): 2;(II)  
Value type (Form of exposure): AGW (Inhalable fraction)  
Basis: DE TRGS 900  
Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child

Allgemeiner Staubgrenzwert      1,25 mg/m<sup>3</sup>  
Peak-limit: excursion factor (category): 2;(II)  
Value type (Form of exposure): AGW (Alveolate fraction)  
Basis: DE TRGS 900  
Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child

Contains no substances with occupational exposure limit values.

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Dihexadecyl peroxod carbonate	Workers	Inhalation	Long-term systemic effects	10 mg/m <sup>3</sup>
	Workers	Skin contact	Long-term systemic effects	33,33 mg/kg bw/day

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Dihexadecyl peroxod carbonate	Sewage treatment plant	12,2 mg/l

### 8.2 Exposure controls

#### Engineering measures

Minimize workplace exposure concentrations.

#### Personal protective equipment

Eye/face protection : Ensure that eyewash stations and safety showers are close to the workstation location.  
Please follow all applicable local/national requirements when selecting protective measures for a specific workplace.  
Always wear eye protection when the potential for inadvertent

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

---

eye contact with the product cannot be excluded.  
Tightly fitting safety goggles  
Please wear suitable protective goggles. Also wear face protection if there is a splash hazard.

Equipment should conform to EN 166

### Hand protection

Material : butyl-rubber  
Break through time : 480 min  
Glove thickness : 0,47 mm  
Directive : Equipment should conform to EN 374

Material : Nitrile rubber  
Break through time : 480 min  
Glove thickness : 0,40 mm  
Directive : Equipment should conform to EN 374

Directive : Equipment should conform to EN 374

Remarks : The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove. Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Skin and body protection : Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.  
Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces.  
Wear as appropriate:  
Flame retardant antistatic protective clothing.

Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.  
Respirator with combination filter for vapour/particulate (EN 141)

Filter type : Filter type P

Protective measures : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

---

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	:	powder
Colour	:	white
Odour	:	characteristic
Odour Threshold	:	No data available
Melting point/freezing point	:	ca. 55 °C Decomposition: Decomposes below the melting point.
Initial boiling point and boiling range	:	Not applicable Decomposition
Flammability	:	Not expected to form explosive dust-air mixtures.
Upper explosion limit / Upper flammability limit	:	Upper explosion limit No data available
Lower explosion limit / Lower flammability limit	:	Lower explosion limit No data available
Flash point	:	Not applicable, Decomposition
Auto-ignition temperature	:	not determined
Self-Accelerating decomposition temperature (SADT)	:	40 °C Method: UN-Test H.4 SADT-Self Accelerating Decomposition Temperature. Lowest temperature at which the tested package size will undergo a self-accelerating decomposition reaction.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

---

pH : Not applicable

Viscosity  
Viscosity, dynamic : Not applicable

Viscosity, kinematic : Not applicable

Solubility(ies)  
Water solubility : < 0,0001 g/l (20 °C)  
insoluble

Solubility in other solvents : Solvent: toluene  
partly soluble

Partition coefficient: n-  
octanol/water : No data available

Vapour pressure : < 0,1 hPa (25 °C)

Relative density : not determined

Density : not determined

Bulk density : 500 kg/m<sup>3</sup>

Relative vapour density : No data available

Particle characteristics  
Particle size : not determined

Particle Size Distribution : No data available

Dustiness : Avoid dust formation.

Shape : not determined

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

---

Crystallinity : Not applicable

Surface treatment  
/Coatings : Not applicable

### 9.2 Other information

Explosives : Not explosive  
Avoid dust formation.

Oxidizing properties : The substance or mixture is not classified as oxidizing.  
Organic peroxide

Self-ignition : The substance or mixture is not classified as pyrophoric.

Self-heating substances : The substance or mixture is not classified as self heating.

Substances and mixtures,  
which in contact with water,  
emit flammable gases : The substance or mixture does not emit flammable gases in  
contact with water.

Desensitised explosives : Not applicable

Evaporation rate : No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage conditions.  
Heating may cause a fire or explosion.

### 10.2 Chemical stability

Stable under recommended storage conditions.  
No decomposition if stored normally.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Dust may form explosive mixture in air.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

---

### 10.4 Conditions to avoid

Conditions to avoid : Protect from contamination.  
Contact with incompatible substances can cause decomposition at or below SADT.  
Heat, flames and sparks.  
Avoid confinement.

### 10.5 Incompatible materials

Materials to avoid : Accelerators, strong acids and bases, heavy metals and heavy metal salts, reducing agents

### 10.6 Hazardous decomposition products

Irritant, caustic, flammable, noxious/toxic gases and vapours can develop in the case of fire and decomposition

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## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Not classified due to lack of data.

#### Product:

Acute oral toxicity : LD50 (Rat, male and female): > 5.000 mg/kg  
Method: OECD Test Guideline 401  
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

#### Components:

#### **Dihexadecyl peroxodicarbonate:**

Acute oral toxicity : LD50 (Rat, male and female): > 5.000 mg/kg  
Method: OECD Test Guideline 401  
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

#### **Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

---

### **Product:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

### **Components:**

#### **Dihexadecyl peroxodicarbonate:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

#### **Serious eye damage/eye irritation**

Based on available data, the classification criteria are not met.

### **Product:**

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : No eye irritation

### **Components:**

#### **Dihexadecyl peroxodicarbonate:**

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : No eye irritation

#### **Respiratory or skin sensitisation**

##### **Skin sensitisation**

Based on available data, the classification criteria are not met.

##### **Respiratory sensitisation**

Not classified due to lack of data.

### **Product:**

Test Type : Local lymph node assay (LLNA)  
Species : Mouse  
Method : OECD Test Guideline 429  
Result : Does not cause skin sensitisation.

### **Components:**

#### **Dihexadecyl peroxodicarbonate:**

Test Type : Local lymph node assay (LLNA)  
Species : Mouse  
Method : OECD Test Guideline 429  
Result : Does not cause skin sensitisation.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

---

### Germ cell mutagenicity

Not classified due to lack of data.

#### Product:

Genotoxicity in vitro : Method: OECD Test Guideline 471  
Result: negative

Method: OECD Test Guideline 476  
Result: negative

Method: OECD Test Guideline 487  
Result: negative

Genotoxicity in vivo : Remarks: No data available

#### Components:

##### **Dihexadecyl peroxod carbonate:**

Genotoxicity in vitro : Test Type: in vitro assay  
Method: OECD Test Guideline 471  
Result: negative

Method: OECD Test Guideline 476  
Result: negative

Method: OECD Test Guideline 487  
Result: negative

Genotoxicity in vivo : Remarks: No data available

### Carcinogenicity

Not classified due to lack of data.

#### Product:

Remarks : This information is not available.

#### Components:

##### **Dihexadecyl peroxod carbonate:**

Remarks : This information is not available.

### Reproductive toxicity

Not classified due to lack of data.

#### Product:

Effects on fertility : Test Type: Fertility  
Species: Rat, male and female

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

---

Application Route: Oral  
Dose: 30, 300, 1000 milligram per kilogram  
General Toxicity - Parent: NOAEL: 1.000 mg/kg body weight  
Fertility: NOAEL Parent: 1.000 mg/kg body weight  
Method: OECD Test Guideline 422

Effects on foetal development : Test Type: reproductive and developmental toxicity study  
Species: Rat  
Strain: Sprague-Dawley  
Application Route: Oral  
Dose: 30, 300, 1000 milligram per kilogram  
General Toxicity Maternal: NOAEL: 1.000 mg/kg body weight  
Developmental Toxicity: NOAEL: 1.000 mg/kg body weight  
Method: OECD Test Guideline 422

### Components:

#### **Dihexadecyl peroxodicarbonate:**

Effects on fertility : Test Type: Fertility  
Species: Rat, male and female  
Application Route: Oral  
Dose: 30, 300, 1000 milligram per kilogram  
General Toxicity - Parent: NOAEL: 1.000 mg/kg body weight  
Fertility: NOAEL Parent: 1.000 mg/kg body weight  
Method: OECD Test Guideline 422

Effects on foetal development : Test Type: reproductive and developmental toxicity study  
Species: Rat  
Strain: Sprague-Dawley  
Application Route: Oral  
Dose: 30, 300, 1000 milligram per kilogram  
General Toxicity Maternal: NOAEL: 1.000 mg/kg body weight  
Developmental Toxicity: NOAEL: 1.000 mg/kg body weight  
Method: OECD Test Guideline 422

#### **STOT - single exposure**

Not classified due to lack of data.

#### **STOT - repeated exposure**

Not classified due to lack of data.

#### **Repeated dose toxicity**

#### Product:

Species : Rat, male and female  
NOAEL : 1.000 mg/kg  
Application Route : oral (gavage)  
Method : OECD Test Guideline 422

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

---

### Components:

#### **Dihexadecyl peroxodicarbonate:**

Species : Rat, male and female  
NOAEL : 1.000 mg/kg  
Application Route : oral (gavage)  
Method : OECD Test Guideline 422  
Remarks : Not classified due to data which are conclusive although insufficient for classification.

#### **Aspiration toxicity**

Not classified due to lack of data.

#### Product:

No data available

### Components:

#### **Dihexadecyl peroxodicarbonate:**

Not applicable

## 11.2 Information on other hazards

### **Endocrine disrupting properties**

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### **Further information**

#### Product:

Remarks : No data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish : Remarks: No data available  
Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Test Type: semi-static test



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

---

Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EL50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201

NOELR (Pseudokirchneriella subcapitata (green algae)): >= 100 mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211  
Remarks: No toxicity at the limit of solubility

Toxicity to microorganisms : EC50 (Bacteria): > 1.220 mg/l  
Exposure time: 3 h  
Test Type: Respiration inhibition of activated sludge  
Method: OECD Test Guideline 209

### Components:

#### **Dihexadecyl peroxodicarbonate:**

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Test Type: semi-static test  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EL50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201

NOELR (Pseudokirchneriella subcapitata (green algae)): >= 100 mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201

Toxicity to microorganisms : EC50 (Bacteria): > 1.220 mg/l  
Exposure time: 3 h

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

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Test Type: Respiration inhibition of activated sludge  
Method: OECD Test Guideline 209

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211  
Remarks: No toxicity at the limit of solubility

### 12.2 Persistence and degradability

#### Product:

Biodegradability : Result: Readily biodegradable.  
Method: OECD Test Guideline 301D

#### Components:

##### **Dihexadecyl peroxod carbonate:**

Biodegradability : Result: Readily biodegradable.  
Method: OECD Test Guideline 301D

### 12.3 Bioaccumulative potential

#### Components:

##### **Dihexadecyl peroxod carbonate:**

Partition coefficient: n-octanol/water : Remarks: No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

---

### 12.7 Other adverse effects

**Product:**

Additional ecological information : No data available

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Dispose of wastes in an approved waste disposal facility.  
The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.  
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Contaminated packaging : Dispose of in accordance with local regulations.  
Clean container with water.  
Dispose of contents/ container to an approved waste disposal plant.  
Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

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## SECTION 14: Transport information

### 14.1 UN number or ID number

ADN : UN 3120  
ADR : UN 3120  
RID : UN 3120  
Not permitted for transport  
IMDG : UN 3120  
IATA : UN 3120  
Not permitted for transport

### 14.2 UN proper shipping name

ADN : ORGANIC PEROXIDE TYPE F, SOLID, TEMPERATURE CONTROLLED

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

---

(DICETYL PEROXYDICARBONATE)

**ADR** : ORGANIC PEROXIDE TYPE F, SOLID, TEMPERATURE CONTROLLED  
(DICETYL PEROXYDICARBONATE)

**RID** : ORGANIC PEROXIDE TYPE F, SOLID, TEMPERATURE CONTROLLED  
Not permitted for transport

**IMDG** : ORGANIC PEROXIDE TYPE F, SOLID, TEMPERATURE CONTROLLED  
(DICETYL PEROXYDICARBONATE)

**IATA** : ORGANIC PEROXIDE TYPE F, SOLID, TEMPERATURE CONTROLLED  
Not permitted for transport

### 14.3 Transport hazard class(es)

	Class	Subsidiary risks
<b>ADN</b>	: 5.2	
<b>ADR</b>	: 5.2	
<b>RID</b>	: Not permitted for transport	
<b>IMDG</b>	: 5.2	
<b>IATA</b>	: Not permitted for transport	

### 14.4 Packing group

**ADN**  
Packing group : Not assigned by regulation  
Classification Code : P2  
Hazard Identification Number : 539  
Labels : 5.2

**ADR**  
Packing group : Not assigned by regulation  
Classification Code : P2  
Hazard Identification Number : 539  
Labels : 5.2  
Tunnel restriction code : (D)

**RID** : Not permitted for transport

**IMDG**  
Packing group : Not assigned by regulation  
Labels : 5.2  
EmS Code : F-F, S-R

**IATA (Cargo)** : Not permitted for transport

**IATA (Passenger)** : Not permitted for transport

### 14.5 Environmental hazards

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

---

### ADN

Environmentally hazardous : no

### ADR

Environmentally hazardous : no

### RID

: Not permitted for transport

### IMDG

Marine pollutant : no

## 14.6 Special precautions for user

### Additional advice

Temperature controlled transport.:

Control temperature : 30 °C

Emergency temperature : 35 °C

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

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## SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

---

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. P6b SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES

Water hazard class (Germany) : WGK 1 slightly hazardous to water  
Code Number: 1.476  
Classification according to AwSV, Annex 1 (4) (German regulatory requirements)

### Other regulations:

Gefahrgruppe nach TRGS 741: III (German regulatory requirements)

The product is subject to the supply restrictions of the Ordinance on the Prohibition of Chemicals.

### The components of this product are reported in the following inventories:

TCSI (TW)	: On the inventory, or in compliance with the inventory
TSCA (US)	: All substances listed as active on the TSCA inventory
AIC (AU)	: On the inventory, or in compliance with the inventory
DSL (CA)	: None of the components of this product are on the Canadian DSL, but all are on the NDSL Dihexadecyl peroxodicarbonate
ENCS (JP)	: On the inventory, or in compliance with the inventory
ISHL (JP)	: On the inventory, or in compliance with the inventory
KECI (KR)	: On the inventory, or in compliance with the inventory
PICCS (PH)	: On the inventory, or in compliance with the inventory

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.  
For further information see eSDS.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

---

## SECTION 16: Other information

### Further information

Other information : This safety datasheet only contains information relating to safety and does not replace any product information or product specification.  
These safety instructions also apply to empty packaging which may still contain product residues.  
The hazards on the label also apply to residues in the container.

Sources of key data used to compile the Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

### Full text of other abbreviations

DE TRGS 900 : Germany. TRGS 900 - Occupational exposure limit values.  
DE TRGS 900 / AGW : Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet;

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## CEPC

Version	Revision Date:	SDS Number:	Date of last issue: 09.03.2023
2.5	18.06.2024	600000000005	Date of first issue: 09.03.2016

---

SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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