



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

## SAFETY DATA SHEET

# 449 Care 10

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

### 1.1. Product identifier

Trade name

449 Care 10

Product no.

449021

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

Relevant identified uses of the substance or mixture

Acrylmaling vandig

Uses advised against

No special

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

Company and address

**Beck & Jørgensen A/S**

Rosenkaeret 25-29

DK-2860 Søborg

Denmark

Tel: +45 39 53 03 11

Contact person

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E-mail

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Revision

8/10/2022

SDS Version

4.0

Date of previous version

10/26/2021 (3.0)

### 1.4. Emergency telephone number

Contact the poison hotline: +45 82 12 12 12 (24 hour service)

See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP)

### 2.2. Label elements

Hazard pictogram(s)

Not applicable

Signal word

Not applicable

Hazard statement(s)

Not applicable

Safety statement(s)

General

-

Prevention

-  
Response

-  
Storage

-  
Disposal

#### Hazardous substances

No special

#### 2.3. Other hazards

##### Additional labelling

Not applicable

##### Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

##### ▼ VOC

VOC content: 1 g/L

MAXIMUM VOC CONTENT (Phase II, category A/a (WB): 30 g/L)

### SECTION 3: Composition/information on ingredients

#### ▼ 3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Titandioxid	CAS No.: 13463-67-7 EC No.: 236-675-5 REACH: 01-2119489379-17 Index No.:	15-25%		

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See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### ▼ Other information

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

##### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

##### Skin contact

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

##### Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) and continue until irritation stops.

##### Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless

recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

#### Burns

Not applicable

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

No special

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

No special

#### Information to medics

Bring this safety data sheet or the label from this product.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

No special

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>).

Some metal oxides.

#### 5.3. Advice for firefighters

Fire fighters should wear appropriate personal protective equipment.

### SECTION 6: Accidental release measures

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

No specific requirements

#### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

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

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

#### 6.4. Reference to other sections

See section 13 on "Disposal considerations" in regard of handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

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

No special conditions required.

##### Recommended storage material

Always store in containers of the same material as the original container.

##### Storage temperature

No specific requirements

##### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

#### 7.3. Specific end use(s)

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### ▼ 8.1. Control parameters

—  
Titandioxid

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 6 (som Ti)

Annotations:

K = Dusts that contain the substance on a respirable form are considered to be carcinogenic.

—  
potassium hydroxide

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 2

Annotations:

L = The limit is a ceiling value that at no time may be exceeded.

Statutory order 1054 on exposure limits for substances and mixtures (28/06/2022)

Titandioxid is included in the national list of substances suspected of causing cancer

BEK nr 1795 af 18/12/2015 om foranstaltninger til forebyggelse af kræft risikoen ved arbejde med stoffer og materialer

### ▼ DNEL

potassium hydroxide

Duration	Route of exposure	DNEL
Long term - Local effects - General population	Inhalation	1 mg/m <sup>3</sup>
Long term - Local effects - Workers	Inhalation	1 mg/m <sup>3</sup>

Titandioxid

Duration	Route of exposure	DNEL
Long term - Local effects - Workers	Inhalation	10 mg/m <sup>3</sup>
Long term - Systemic effects - General population	Oral	700 mg/kg bw/day

### ▼ PNEC

Titandioxid

Route of exposure	Duration of Exposure	PNEC
Freshwater	-	0,184 mg/l
Freshwater sediment	-	1000 mg/l
Intermittent release	-	0,193 mg/l
Marine water	-	0,0184 mg/l
Marine water sediment	-	100 mg/Kg
Sewage treatment plant	-	100 mg/l
Soil	-	100 mg/l

### 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

#### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

#### Exposure scenarios

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

There are no exposure scenarios implemented for this product.

#### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

#### Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

#### Hygiene measures

Wash hands after use.

#### Measures to avoid environmental exposure

No specific requirements


#### Individual protection measures, such as personal protective equipment

##### Generally


Only CE-marked personal protection equipment should be used.

Use only CE marked protective equipment.


##### ▼ Respiratory Equipment

Work situation	Type	Class	Colour	Standards	
Spray Application	Combination filter A2P3	Class 2/3	Brown/White	EN14387	


#### Skin protection

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.	-	-	

#### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Latex	0.4	-	EN374-2, EN388	

#### Eye protection

Type	Standards	
Safety glasses with side shields.	EN166	

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Liquid

#### Colour

White

#### Odour / Odour threshold

#### Characteristic

##### pH

10,5

##### Density (g/cm<sup>3</sup>)

1.41

##### Kinematic viscosity

Testing not relevant or not possible due to nature of the product.

##### Particle characteristics

Does not apply to liquids.

#### Phase changes

##### Melting point/Freezing point (°C)

Testing not relevant or not possible due to nature of the product.

##### Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

##### Boiling point (°C)

Testing not relevant or not possible due to nature of the product.

##### Vapour pressure

Testing not relevant or not possible due to nature of the product.

##### Relative vapour density

Testing not relevant or not possible due to nature of the product.

##### Decomposition temperature (°C)

Testing not relevant or not possible due to nature of the product.

#### Data on fire and explosion hazards

##### Flash point (°C)

Testing not relevant or not possible due to nature of the product.

##### Ignition (°C)

Testing not relevant or not possible due to nature of the product.

##### Auto flammability (°C)

Testing not relevant or not possible due to nature of the product.

##### Lower and upper explosion limit (% v/v)

Testing not relevant or not possible due to nature of the product.

#### Solubility

##### ▼ Solubility in water

Completely soluble

##### n-octanol/water coefficient

Testing not relevant or not possible due to nature of the product.

##### Solubility in fat (g/L)

Testing not relevant or not possible due to nature of the product.

#### 9.2. Other information

##### ▼ VOC (g/L)

1

##### Other physical and chemical parameters

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

No special

### 10.4. Conditions to avoid

No special

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

#### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

### SECTION 11: Toxicological information

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

##### ▼ Acute toxicity

Product/substance	Titandioxid
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>5000 mg/Kg ·
Other information	

Product/substance	Titandioxid
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	> 3,43 - 5,09 mg/l ·
Other information	

Product/substance	potassium hydroxide
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	365 mg/kg ·
Other information	

##### ▼ Skin corrosion/irritation

Product/substance	potassium hydroxide
Test method	
Species	
Duration	
Result	Adverse effect observed (Corrosive)
Other information	

##### ▼ Serious eye damage/irritation

Product/substance	potassium hydroxide
Test method	
Species	
Duration	
Result	Adverse effect observed (Corrosive)
Other information	

#### Respiratory sensitisation

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

#### Skin sensitisation

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

#### Germ cell mutagenicity

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

#### Carcinogenicity

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

#### Reproductive toxicity

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

#### STOT-single exposure

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

#### STOT-repeated exposure

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

#### Aspiration hazard

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

### 11.2. Information on other hazards

#### Long term effects

No special

#### Endocrine disrupting properties

No special

#### Other information

Titandioxid has been classified by IARC as a group 2B carcinogen.

## SECTION 12: Ecological information

### ▼ 12.1. Toxicity

Product/substance	Titandioxid
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	>1000 mg/l ·
Other information	

Product/substance	Titandioxid
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	>1000 mg/l ·
Other information	

Product/substance	Titandioxid
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	61 mg/l ·
Other information	

Product/substance	potassium hydroxide
Test method	
Species	Fish



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Compartment	
Duration	96 hours
Test	LC50
Result	80 mg/l ·
Other information	
Product/substance	potassium hydroxide
Test method	
Species	Crustacean
Compartment	
Duration	No data available.
Test	EC50
Result	30 - 1000 mg/l ·
Other information	

#### 12.2. Persistence and degradability

No data available

#### 12.3. Bioaccumulative potential

No data available

#### 12.4. Mobility in soil

No data available

#### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

#### 12.6. Endocrine disrupting properties

No special

#### 12.7. Other adverse effects

No special

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.  
Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

#### EWC code

Not applicable

#### Specific labelling

Not applicable

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

### SECTION 14: Transport information



	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

#### ▼ Additional information

Not dangerous goods according to ADR, IATA and IMDG.

#### 14.6. Special precautions for user

Not applicable

#### 14.7. Maritime transport in bulk according to IMO instruments

No data available

### SECTION 15: Regulatory information

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

##### Restrictions for application

No special

##### Demands for specific education

No specific requirements

##### SEVESO - Categories / dangerous substances

Not applicable

##### Additional information

Code number (1993): 00-3.

##### ▼ Sources

Executive Order no. 1369 of 25 November 2015 on the marketing and labeling of volatile organic compounds in certain paints and varnishes as well as products for car repair painting.

Arbejdstilsynets bekendtgørelse nr. 301 af 13. maj 1993 om fastsættelse af kodenumre med senere ændringer.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### ▼ Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol

of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

Not applicable

▼ The safety data sheet is validated by

xxx

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: DK-en