

## SAFETY DATA SHEET

## Power Anchor 287

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

## 1.1. Product identifier

## Trade name

Power Anchor 287

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

## Relevant identified uses of the substance or mixture

No special

## Uses advised against

No special

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

## Company and address

**Dana Lim A/S**

Københavnsvej 220

DK-4600 Køge

Denmark

Tel: +45 56 64 00 70

Fax: +45 56 64 00 90

## Contact person

Product Safety Department

## E-mail

info@danalim.dk

## SDS date

17-09-2021

## SDS Version

3.0

## Date of previous version

2020-10-28 (2.0)

## 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

## SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

Skin Irrit. 2; H315, Causes skin irritation.

Skin Sens. 1; H317, May cause an allergic skin reaction.

Eye Dam. 1; H318, Causes serious eye damage.

## 2.2. Label elements

## Hazard pictogram(s)



## Signal word

Danger

## ▼ Hazard statement(s)

Causes skin irritation. (H315)  
 May cause an allergic skin reaction. (H317)  
 Causes serious eye damage. (H318)

**Safety statement(s)**

▼ **General**

If medical advice is needed, have product container or label at hand. (P101)  
 Keep out of reach of children. (P102)

▼ **Prevention**

Avoid breathing vapour. (P261)  
 Wash hands and exposed skin thoroughly after handling. (P264)  
 Wear eye protection / protective gloves. (P280)

▼ **Response**

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

**Storage**

-

▼ **Disposal**

Dispose of contents/container to an approved waste disposal plant. (P501)

▼ **Hazardous substances**

tetramethylene dimethacrylate  
 cement, portland-, kemikalier  
 2-hydroxypropyl methacrylate  
 dibenzoyl peroxide  
 ethane-1,2-diol  
 2-methyl-2H-isothiazol-3-one

**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.

**SECTION 3: Composition/information on ingredients**

▼ **3.2 Mixtures**

Product/substance	Identifiers	% w/w	Classification	Note
tetramethylene dimethacrylate	CAS No.: 2082-81-7 EC No.: 218-218-1 REACH: 01-2119967415-30-XXXX Index No.:	25-40%	Skin Sens. 1B, H317	
cement, portland-, kemikalier	CAS No.: 65997-15-1 EC No.: 266-043-4 REACH: Index No.:	15-25%	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335	
2-hydroxypropyl methacrylate	CAS No.: 27813-02-1	10-15%	Skin Sens. 1, H317 Eye Irrit. 2, H319	

	EC No.: 248-666-3			
	REACH: 01-2119490226-37-XXXX			
	Index No.:			
dibenzoyl peroxide	CAS No.: 94-36-0	1-3%	Self-react. B, H241 Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
	EC No.: 202-327-6			
	REACH: 01-2119511472-50-XXXX			
	Index No.: 617-008-00-0			
ethane-1,2-diol	CAS No.: 107-21-1	1-3%	Acute Tox. 4, H302 STOT RE 2, H373	[1]
	EC No.: 203-473-3			
	REACH: 01-2119456816-28			
	Index No.: 603-027-00-1			
2-methyl-2H-isothiazol-3-one	CAS No.: 2682-20-4	<0.01%	Acute Tox. 3, H301 Acute Tox. 3, H311 Skin Corr. 1B, H314 Skin Sens. 1A, H317 (SCL: 0.0015 %) Eye Dam. 1, H318 Acute Tox. 2, H330 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1) EUH071	
	EC No.: 220-239-6			
	REACH: 01-2120764690-50-XXXX			
	Index No.: 613-326-00-9			

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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

[1] European occupational exposure limit

## 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

IF ON SKIN: Wash with plenty of water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### ▼ Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

#### 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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.

Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

IF exposed or concerned:

Get immediate medical advice/attention.

#### Information to medics

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

### SECTION 5: Firefighting measures

#### ▼ 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

#### 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>).

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

### SECTION 6: Accidental release measures

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

Avoid direct contact with spilled substances.

#### 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

Avoid direct contact with the product.

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

Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

▼ **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)**

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

**SECTION 8: Exposure controls/personal protection**

▼ **8.1. Control parameters**

—  
cement, portland-, kemikalier  
Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 10(inhalable)/4(respirable)

—  
dibenzoyl peroxide  
Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 5

—  
ethane-1,2-diol  
Long term exposure limit (8 hours) (ppm): 20(vapour)  
Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 10(particulate)/52(vapour)  
Short term exposure limit (15 minutes) (ppm): 40 (vapour)  
Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 104 (vapour)

Annotations:

Sk = Can be absorbed through the skin and lead to systemic toxicity.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.  
EH40/2005 Workplace exposure limits (Fourth Edition 2020)

**DNEL**

No data available

**PNEC**

No data available

▼ **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**

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**

Take off contaminated clothing and wash it before reuse.

**Measures to avoid environmental exposure**

No specific requirements

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

Generally

Use only CE marked protective equipment.

#### Respiratory Equipment


No specific requirements

#### Skin protection

No specific requirements


#### ▼ Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	0.4	> 480	EN374-2, EN374-3, EN388



#### Eye protection

Type	Standards
Wear safety glasses with side shields.	EN166



## SECTION 9: Physical and chemical properties

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

#### ▼ Physical state

Paste

#### Colour

Gray

#### ▼ Odour / Odour threshold

Characteristic

#### pH

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

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

1,7-1,9

#### ▼ Kinematic viscosity

90-150 Pa.s

#### ▼ Particle characteristics

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

#### Phase changes

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

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

#### 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

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

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

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

Skin corrosion/irritation

Causes skin irritation.

▼ Serious eye damage/irritation

Causes serious eye damage.

▼ Respiratory sensitisation

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

Skin sensitisation

May cause an allergic skin reaction.

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

▼ **Endocrine disrupting properties**

No special

▼ **Other information**

dibenzoyl peroxide has been classified by IARC as a group 3 carcinogen.

**SECTION 12: Ecological information**

▼ **12.1. Toxicity**

Product/substance	2-hydroxypropyl methacrylate
Test method	
Species	Fish
Compartment	
Duration	48 hours
Test	LC50
Result	496 mg/l ·
Other information	

Product/substance	dibenzoyl peroxide
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	2,91 mg/l ·
Other information	

Product/substance	dibenzoyl peroxide
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	2 mg/l ·
Other information	

Non harmful to aquatic life based on testing of a similar products and analogy studies.

▼ **12.2. Persistence and degradability**

Product/substance	2-hydroxypropyl methacrylate
Biodegradable	Yes
Test method	OECD 301 E
Result	94,2

Product/substance	dibenzoyl peroxide
Biodegradable	Yes
Test method	OECD 301 E
Result	60

▼ **12.3. Bioaccumulative potential**



Product/substance	2-hydroxypropyl methacrylate
Test method	
Potential bioaccumulation	No data available
LogPow	0,9700
BCF	No data available
Other information	

Product/substance	dibenzoyl peroxide
Test method	
Potential bioaccumulation	No data available
LogPow	3,4600
BCF	No data available
Other information	

#### 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

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

### SECTION 13: Disposal considerations

#### ▼ 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 4 - Irritant (skin irritation and eye damage)

HP 13 - Sensitising

Avoid discharge to lakes, streams, sewers, etc.

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

#### EWC code

08 04 09\* Waste adhesives and sealants containing organic solvents or other dangerous substances

#### 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 - 14.4

Not dangerous goods according to ADR, IATA and IMDG.

#### ADR/RID

Not applicable

#### ▼ IMDG

Not applicable

MARINE POLLUTANT

No

▼ IATA

Not applicable

14.5. Environmental hazards

Not applicable

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

People under the age of 18 shall not be exposed to this product.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

#### Demands for specific education

No specific requirements

#### SEVESO - Categories / dangerous substances

Not applicable

#### Additional information

Not applicable

#### Sources

The Management of Health and Safety at Work Regulations 1999

The Health and Safety at Work etc. Act 1974 Regulations 2013.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

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

### Full text of H-phrases as mentioned in section 3

EUH071, Corrosive to the respiratory tract.

H241, Heating may cause a fire or explosion.

H301, Toxic if swallowed.

H302, Harmful if swallowed.

H311, Toxic in contact with skin.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H330, Fatal if inhaled.

H335, May cause respiratory irritation.

H373, May cause damage to organs through prolonged or repeated exposure.

H400, Very toxic to aquatic life.

H410, Very toxic to aquatic life with long lasting effects.

### 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  
UVCB = Complex hydrocarbon substance  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

#### The safety data sheet is validated by

ESQ

#### 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: GB-en