

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Power Anchor 287

Product no.

-

REACH registration number

Not applicable

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

Relevant identified uses of the substance or mixture

Anchoring Adhesive

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

Dana Lim A/S
Københavnsvej 220
DK-4600 Køge
Denmark
phone: +45 56 64 00 70
fax: +45 56 64 00 90

Contact person

Product Safety Department

E-mail

info@danalim.dk

SDS date

2016-07-13

SDS Version

1.0

1.4. Emergency telephone number

Use your national or local emergency number
See section 4 "First aid measures"

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Irrit. 2; H315
Skin Sens. 1; H317
Eye Dam. 1; H318
See full text of H-phrases in section 2.2.

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	Wear 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).
	Storage	-
	Disposal	Dispose of contents/container to an approved waste disposal plant. (P501).

Identity of the substances primarily responsible for the major health hazards

tetramethyldimethacrylat, Cement, Portland-, chemicals, methacrylic acid, monoester with propane-1,2-diol, dibenzoyl peroxide

2.3. Other hazards

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Additional labelling

-

Additional warnings

-

VOC

-

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME:	tetramethyldimethacrylat
IDENTIFICATION NOS.:	CAS-no: 2082-81-7 EC-no: 218-218-1
CONTENT:	15-25%
CLP CLASSIFICATION:	Skin Sens. 1 H317
NAME:	Cement, Portland-, chemicals
IDENTIFICATION NOS.:	CAS-no: 65997-15-1 EC-no: 266-043-4
CONTENT:	15-25%
CLP CLASSIFICATION:	STOT SE 3, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1 H315, H317, H318, H335
NAME:	methacrylic acid, monoester with propane-1,2-diol
IDENTIFICATION NOS.:	CAS-no: 27813-02-1 EC-no: 248-666-3
CONTENT:	5-10%
CLP CLASSIFICATION:	Eye Irrit. 2, Skin Sens. 1 H317, H319
NAME:	ethane-1,2-diol
IDENTIFICATION NOS.:	CAS-no: 107-21-1 EC-no: 203-473-3 REACH-no: 01-2119456816-28 Index-no: 603-027-00-1
CONTENT:	1-3%
CLP CLASSIFICATION:	Acute Tox. 4, STOT RE 2 H302, H373
NOTE:	S
NAME:	dibenzoyl peroxide
IDENTIFICATION NOS.:	CAS-no: 94-36-0 EC-no: 202-327-6 Index-no: 617-008-00-0
CONTENT:	1-3%
CLP CLASSIFICATION:	Self-react. B, Skin Sens. 1, Eye Irrit. 2, Aquatic Acute 1 H241, H317, H319, H400 (M-acute = 1)

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

S = Organic solvent

Other informations

ATEmix(oral) > 2000
 Eye Cat. 1 Sum = Sum(Ci/S(G)CLi) = 5,3304 - 7,9956
 Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 1,5992 - 2,3988
 N acute (CAT 1) Sum = Sum(Ci/M(acute)*25) = 0,079968 - 0,119952

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 physician, if there is doubt about the injured person's condition, or the symptoms continuous.
Never give the unconscious person water or alike.

Inhalation

Lead the person into fresh air and keep the person under watch.

Skin contact

Remove contaminated clothing and shoes. If there has been contact to some skin, wash is thoroughly with water and soap. Skin cleansing remedies can be used. DO NOT use organic solvents or a thinner.

Eye contact

Remove contact lenses. Flush eyes with plenty of water (20-30 °C) until irritation stops, or continue for at least 15 minutes. Make sure to flush under the upper and lower eyelid. Contact a physician at once.

Ingestion

Give the person plenty to drink and keep the person under watch. If fainting: Contact a physician immediately and bring along this security datasheet or the label from the product. Do not induce vomiting, unless recommended by the physician. Lower the person's head, so that vomit does not run back into the mouth or throat.

Burns

Not applicable

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

Sensibilising effects: This product contains substances which can cause allergies when contact to skin. The reaction of the allergy will typically set in within 12-72 hours after penetration through the skin, and will react with the proteins in the outer layer. The bodies immune system will perceive the strange chemical protein as a foreign body and will try to break it down.

Irritable effects: This product contains substances which are irritable to skin and eyes, or when inhaled. A result of contact with a locally irritable substances, can be, that the area of contact, will be more pruned to take-in of damaging substances such as allergens.

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

Non specific.

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommendation: alcohol resistant foam, carbonic acid, powder, fog. Usage of a water beam is forbidden, since it can spread the fire.

5.2. Special hazards arising from the substance or mixture

Non specific.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances. Avoid inhalation of vapours from waste material.

6.2. Environmental precautions

No specific demands.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. If possible, clean with cleaning supplies. Solvents should be avoided.

6.4. Reference to other sections

See section 13 regarding handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, consumption of food and liquids as well as storage of tobacco, foods and liquids is not allowed in the room. See section on 'Exposure controls/personal protection' for information on personal protection.
Avoid direct contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

Always store in the same container as the original material. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature

No data available.

7.3. Specific end use(s)

This product should only be used for applications described in Section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

No substances listed.

DNEL / PNEC

8.2. Exposure controls

In case the product is used in a standard fashion, no control is necessary.

General recommendations

Observe general occupational hygiene.

Exposure scenarios

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

Exposure limits

No limits on explosion exits, for the content of the substances in this product.

Appropriate technical measures

Hygiene measures

Wash hands before breaks and at the end of work.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible collect spillage during work.

Individual protection measures, such as personal protective equipment



Generally

Use only CE marked protective equipment.

Respiratory Equipment

No specific demands.

Skin protection

Specific work clothing should be used.

Hand protection

Recommended: Nitrile rubber. : NA

Eye protection

No specific demands.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Pasta
Colour	Gray
Odour	Characteristic
pH	No data available.
Viscosity	90-150 Pa*s
Density (g/cm ³)	1,7-1,9
Phase changes	
Melting point (°C)	No data available.

Boiling point (°C) No data available.
Vapour pressure No data available.

Data on fire and explosion hazards

Flashpoint (°C) No data available.
Ignition (°C) No data available.
Self ignition (°C) No data available.
Explosion limits (Vol %) No data available.

Solubility

Solubility in water Insoluble
n-octanol/water coefficient No data available.

9.2. Other information

Solubility in fat (g/L) 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.

10.3. Possibility of hazardous reactions

Non specific.

10.4. Conditions to avoid

Non specific.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reductants 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 toxicological effects

Acute toxicity

Substance	Species	Test	Route of exposure	Result
No data available.				

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Long term effects

Irritable effects: This product contains substances which are irritable to skin and eyes, or when inhaled. A result of contact with a locally irritable substances, can be, that the area of contact, will be more pruned to take-in of damaging substances such as allergens.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Species	Test	Duration	Result
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According to EC-Regulation 1907/2006 (REACH)

dibenzoyl peroxide	Fish	LC50	96 h	2 mg/l
dibenzoyl peroxide	Daphnia	EC50	48 h	2,91 mg/l
methacrylic acid, monoester wi...	Fish	LC50	48	496 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
dibenzoyl peroxide	Yes	Modified OECD Screening Test	60
methacrylic acid, monoester wi...	Yes	Modified OECD Screening Test	94,2

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
No data available.			

12.4. Mobility in soil

dibenzoyl peroxide: Log Koc= 2,818374, Calculated from LogPow (Moderate mobility potential).
methacrylic acid, monoester wi...: Log Koc= 0,846543, Calculated from LogPow (High mobility potential).

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

This product contains ecotoxic substances, which can have damaging effects on water-organisms.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product should be treated as dangerous waste.

Waste

EWC code
08 04 09

Specific labelling

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Contaminated packing

Contaminated packaging should be disposed of the same way as the product itself.

SECTION 14: Transport information

14.1 – 14.4

Non dangerous goods, referring to ADR and IMDG.

ADR/RID

14.1. UN number	-
14.2. UN proper shipping name	-
14.3. Transport hazard class(es)	-
14.4. Packing group	-
Notes	-
Tunnel restriction code	-

IMDG

UN-no.	-
Proper Shipping Name	-
Class	-
PG*	-
EmS	-
MP**	-
Hazardous constituent	-

IATA/ICAO

UN-no.	-
Proper Shipping Name	-
Class	-
PG*	-

14.5. Environmental hazards

-

14.6. Special precautions for user

-
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant

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 must not be exposed to this product cf. Council Directive 94/33/EC.

Demands for specific education

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Additional information

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Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

EC regulation 1907/2006 (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H241 - Heating may cause a fire or explosion.

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

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

H400 - Very toxic to aquatic life.

The full text of identified uses as mentioned in section 1

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Other symbols mentioned in section 2

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Other

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.

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.

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

The safety data sheet is validated by

Robert Pedersen

Date of last essential change (First cipher in SDS version)

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Date of last minor change (Last cipher in SDS version)

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