

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

PU Byggefuge 532

**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**

Sealing and filling

Adhesives, Sealants (PC1)

Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) (PROC 5)

Industrial uses: Uses of substances as such or in preparations at industrial sites (SU 3)

Professional uses: Public domain (administration, education, entertainment, services, craftsmen) (SU 22)

Consumer uses: Private households (= general public = consumers) (SU 21)

Industrial use resulting in inclusion into or onto a matrix (ERC5)

**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**

2019-09-11

**SDS Version**

4.0

### 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

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

### 2.2. Label elements

**Hazard pictogram(s)**

Not applicable

**Signal word**

-

**▼ Hazard statement(s)**

According to EC-Regulation 2015/830

Not applicable

**Precautionary statements**

General -  
 Prevention -  
 Response -  
 Storage -  
 Disposal -

**▼ Identity of the substances primarily responsible for the major health hazards**

Not applicable

**▼ Additional labelling**

Contains reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacat. May produce an allergic reaction. (EUH208).

Contains isocyanates. May produce an allergic reaction. (EUH204)

Safety data sheet available on request. (EUH210)

**Unique formula identifier (UFI)**

-

**▼ 2.3. Other hazards**

Not applicable

**▼ Additional warnings**

Not applicable

**VOC (volatile organic compound)**

Not applicable

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

**▼ 3.1/3.2. Substances/Mixtures**

NAME: polyvinyl chloride  
 IDENTIFICATION NOS.: CAS-no: 9002-86-2  
 CONTENT: 15 - <25%  
 CLP CLASSIFICATION: NA

NAME: xylene  
 IDENTIFICATION NOS.: CAS-no: 1330-20-7 EC-no: 215-535-7 REACH-no: 01-2119488216-32-XXXX  
 Index-no: 601-022-00-9  
 CONTENT: 5 - <10%  
 CLP CLASSIFICATION: Flam. Liq. 3, Asp. Tox. 1, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Acute Tox. 4,  
 STOT SE 3, STOT RE 2  
 H226, H304, H312, H315, H319, H332, H335, H373  
 NOTE: O L

NAME: calcium oxide  
 IDENTIFICATION NOS.: CAS-no: 1305-78-8 EC-no: 215-138-9  
 CONTENT: 1 - <2.5%  
 CLP CLASSIFICATION: STOT SE 3, Skin Irrit. 2, Eye Dam. 1  
 H315, H318, H335

NAME: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics  
 IDENTIFICATION NOS.: EC-no: 926-141-6 REACH-no: 01-2119456620-43  
 CONTENT: 1 - <2.5%  
 CLP CLASSIFICATION: Asp. Tox. 1  
 H304, EUH066

NAME: dichromtrioxid  
 IDENTIFICATION NOS.: CAS-no: 1308-38-9 EC-no: 215-160-9  
 CONTENT: 1 - <2.5%  
 CLP CLASSIFICATION: NA

NAME: ethylbenzene  
 IDENTIFICATION NOS.: CAS-no: 100-41-4 EC-no: 202-849-4 REACH-no: 01-2119489370-35-XXXX Index-no: 601-023-00-4  
 CONTENT: 1 - <2.5%  
 CLP CLASSIFICATION: Flam. Liq. 2, Acute Tox. 4, STOT RE 2, Asp. Tox. 1  
 H225, H304, H332, H373  
 NOTE: O L

NAME: di-"isononyl" phthalate

According to EC-Regulation 2015/830

IDENTIFICATION NOS.:	CAS-no: 28553-12-0 EC-no: 249-079-5
CONTENT:	1 - <2.5%
CLP CLASSIFICATION:	NA
NAME:	calciumdihydroxid
IDENTIFICATION NOS.:	CAS-no: 1305-62-0 EC-no: 215-137-3
CONTENT:	0.25 - <1%
CLP CLASSIFICATION:	STOT SE 3, Skin Irrit. 2, Eye Dam. 1 H315, H318, H335
NOTE:	L
NAME:	reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacat
IDENTIFICATION NOS.:	CAS-no: 1065336-91-5 EC-no: 915-687-0 REACH-no: 01-2119491304-40-0000
CONTENT:	<0.05%
CLP CLASSIFICATION:	Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1 H317, H400, H410 (M-acute = 1) (M-chronic = 1)

(\*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.  
O = Organic solvent L = European occupational exposure limit.

### Other information

ATEmix(inhale, vapour) > 20  
ATEmix(inhale, dust/mist) > 5  
ATEmix(dermal) > 2000

## 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. The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service). 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

Bring the person into fresh air and stay with him/her.

#### ▼ Skin contact

Wash contaminated skin with water.

#### ▼ Eye contact

Remove contact lenses and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 15 minutes. Seek medical assistance 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

Under normal circumstances no known risks. This product contains substances that may trigger an allergic reaction to predisposed persons.

Symptoms may include reddening of the skin and rash, which typically occur after 12-72 hours.

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

Nothing special

#### Information to medics

Bring this safety data sheet.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

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

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Some metal oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. 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.

### 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

No specific requirements.

### 6.2. Environmental precautions

No specific requirements.

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

### 6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

## SECTION 7: Handling and storage

### ▼ 7.1. Precautions for safe handling

See section on 'Exposure controls/personal protection' for information on personal protection.

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

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

#### Storage temperature

Frost free

### 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

#### ▼ OEL

chrom

Long-term exposure limit (8-hour TWA reference period): - ppm | 0.5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): - ppm | - mg/m<sup>3</sup>

respirable dust, general

Long-term exposure limit (8-hour TWA reference period): - ppm | 4 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): - ppm | - mg/m<sup>3</sup>

inhalable dust, general

Long-term exposure limit (8-hour TWA reference period): - ppm | 10 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): - ppm | - mg/m<sup>3</sup>

calciumdihydroxid

Long-term exposure limit (8-hour TWA reference period): - ppm | 5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): - ppm | - mg/m<sup>3</sup>

di-"isononyl" phthalate

Long-term exposure limit (8-hour TWA reference period): - ppm | 5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): - ppm | - mg/m<sup>3</sup>

ethylbenzene

Long-term exposure limit (8-hour TWA reference period): 100 ppm | 441 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 125 ppm | 552 mg/m<sup>3</sup>

Comments: Sk (Sk = Can be absorbed through skin. )

According to EC-Regulation 2015/830

calcium oxide

Long-term exposure limit (8-hour TWA reference period): - ppm | 2 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): - ppm | - mg/m<sup>3</sup>

Titanium dioxide

Long-term exposure limit (8-hour TWA reference period): - ppm | 10(inh)/4(resp) mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): - ppm | - mg/m<sup>3</sup>

xylene

Long-term exposure limit (8-hour TWA reference period): 50 ppm | 220 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 100 ppm | 441 mg/m<sup>3</sup>

Comments: Sk BMGV (Bmgv = Biological Monitoring Guidance Value. Sk = Can be absorbed through skin. )

polyvinyl chloride

Long-term exposure limit (8-hour TWA reference period): - ppm | 10(inh)/4(resp) mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): - ppm | - mg/m<sup>3</sup>

### **DNEL / PNEC**

No data available

## **8.2. Exposure controls**

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

### **General recommendations**

Smoking, eating and drinking are not allowed in the work premises

### **Exposure scenarios**

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

### **Exposure limits**

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

### **Appropriate technical measures**

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an 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**

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

### **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**

Not relevant if the room is well ventilated. If used in small and very badly ventilated rooms a respirator may be used. In this case an AX-filter is recommended.

### **Skin protection**

Wear appropriate protection clothing, e.g. coveralls in polypropylene approved type 6 and Category III.

### ▼ **Hand protection**

When applying the sealant with a caulking gun and when finishing with a joint nail, work can be carried out without gloves if skin contact is avoided.

### **Eye protection**

No specific requirements.

## **SECTION 9: Physical and chemical properties**

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

Form

Pasta

Colour

Various colours

Odour

Faint

According to EC-Regulation 2015/830

Odour threshold (ppm)	No data available.
pH	No data available.
Viscosity (40°C)	No data available.
Density (g/cm <sup>3</sup> )	1,16
<b>▼ Phase changes</b>	
Melting point (°C)	No data available.
Boiling point (°C)	137
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.
<b>▼ Data on fire and explosion hazards</b>	
Flash point (°C)	>60
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	0,6 - 7
Explosive properties	No data available.
<b>Solubility</b>	
Solubility in water	Insoluble
n-octanol/water coefficient	No data available.
<b>9.2. Other information</b>	
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 the section "Handling and storage".

### ▼ 10.3. Possibility of hazardous reactions

Nothing special

### ▼ 10.4. Conditions to avoid

Nothing 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 toxicological effects

#### ▼ Acute toxicity

Substance: di-"isononyl" phthalate

Species: Rat

Test: LD50

Route of exposure: Oral

Result: >40000 mg/kg

Substance: di-"isononyl" phthalate

Species: Rabbit

Test: LD50

Route of exposure: Dermal

Result: >3200 mg/kg

Substance: Titanium dioxide

Species: Rat

Test: LD50

Route of exposure: Oral

Result: >10000

Substance: xylene

Species: Rat

Test: LD50

According to EC-Regulation 2015/830

Route of exposure: Oral  
Result: >3900 mg/kg

Substance: xylene  
Species: Rat  
Test: LC50  
Route of exposure: Inhalation  
Result: 20 mg/l 4h

▼ **Skin corrosion/irritation**

No data available.

**Serious eye damage/irritation**

No data available.

▼ **Respiratory or skin sensitisation**

Under normal circumstances no known risks. This product contains substances that may trigger an allergic reaction to predisposed persons.

**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**

Nothing special

## SECTION 12: Ecological information

▼ **12.1. Toxicity**

Substance: xylene  
Species: Fish  
Test: LC50  
Duration: 96 h  
Result: 2 mg/l

Substance: xylene  
Species: Daphnia  
Test: EC50  
Duration: 48 h  
Result: 8,5 mg/l

Substance: xylene  
Species: Algae  
Test: LC50  
Duration: 72 h  
Result: 3,2 mg/l

▼ **12.2. Persistence and degradability**

Substance	Biodegradability	Test	Result
Titanium dioxide	No	No data available	No data available
xylene	Yes	No data available	No data available

**12.3. Bioaccumulative potential**

Substance	Potential bioaccumulation	LogPow	BCF
No data available.			

▼ **12.4. Mobility in soil**

di-"isononyl" phthalate: Log Koc= 7,04712, Calculated from LogPow (Low mobility potential).  
xylene: Log Koc= 2,572885, Calculated from LogPow (Moderate mobility potential).

▼ **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. Other adverse effects**

According to EC-Regulation 2015/830

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 not covered by regulations on dangerous waste.

#### Waste

EWC code

08 04 09

waste adhesives and sealants containing organic solvents or other dangerous substances

#### Specific labelling

Not applicable

#### Contaminated packing

No specific requirements.

## SECTION 14: Transport information

### 14.1 – 14.4

Not dangerous goods according to ADR, IATA 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 Marpol 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 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June



According to EC-Regulation 2015/830

1994 on the protection of young people at work.

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**

Use of this product requires dedicated training in work with polyurethane and epoxy products.

**Additional information**

Not applicable

**Seveso**

-

**Biocidal reg. no.**

Not applicable

**Sources**

Council Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.

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

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.

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).

Regulation (EC) 1907/2006 (REACH).

**15.2. Chemical safety assessment**

No

**SECTION 16: Other information**

▼ **Full text of H-phrases as mentioned in section 3**

H225 - Highly flammable liquid and vapour.

H226 - Flammable liquid and vapour.

H304 - May be fatal if swallowed and enters airways.

H312 - Harmful in contact with skin.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

H332 - Harmful 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.

EUH066 - Repeated exposure may cause skin dryness or cracking.

**The full text of identified uses as mentioned in section 1**

PC1 = Adhesives, Sealants

PROC 5 = Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)

SU 3 = Industrial uses: Uses of substances as such or in preparations at industrial sites

SU 22 = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU 21 = Consumer uses: Private households (= general public = consumers)

ERC5 = Industrial use resulting in inclusion into or onto a matrix

**Additional label elements**

Not applicable

**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, see section 1)) is marked with a blue triangle.

According to EC-Regulation 2015/830



**The safety data sheet is validated by**

Robert Pedersen

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

2016-11-03(3.0)

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

2016-11-03

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