

## SAFETY DATA SHEET

# Plaster Primer Gel Extra 228

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

### 1.1. Product identifier

#### Trade name

Plaster Primer Gel Extra 228

#### Unique formula identifier (UFI)

Not applicable

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

#### Relevant identified uses of the substance or mixture

Primer

#### 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

2020-12-11

#### SDS Version

1.0

### 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

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

EUH208, Contains Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one, 2,4,7,9-tetramethyldec-5-yne-4,7-diol. May produce an allergic reaction.

EUH210, Safety data sheet available on request.

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/h (WB): 30 g/l)

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Product/Ingredient name	Identifiers	% w/w	Classification	Note
2,4,7,9-tetramethyldec-5-yne-4,7-diol	CAS No.: 126-86-3 EC No.: 204-809-1 REACH No.: Index No.:	<1%	Skin Sens. 1B, H317 Eye Dam. 1, H318 Aquatic Chronic 3, H412	
bronopol	CAS No.: 52-51-7 EC No.: 200-143-0 REACH No.: 01-2119980938-15-XXXX Index No.: 603-085-00-8	<0.05%	Aquatic Acute 1, H400 (M=10) Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 (SCL: 20.00 %) Aquatic Chronic 1, H410 (M=1) Acute Tox. 4, H302	
1,2-benzisothiazol-3(2H)-one	CAS No.: 2634-33-5 EC No.: 220-120-9 REACH No.: 01-2120761540-60-XXXX Index No.: 613-088-00-6	<0.01%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 (SCL: 0.05 %) Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=1)	
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	CAS No.: 55965-84-9 EC No.: 911-418-6 REACH No.: 01-2120764691-48-XXXX Index No.:	<0.0015%	Acute Tox. 3, H301 Acute Tox. 2, H310 Skin Corr. 1C, H314 (SCL: 0.60 %) Skin Sens. 1A, H317 (SCL: 0.0015 %) Eye Dam. 1, H318 Acute Tox. 2, H330 Aquatic Acute 1, H400 (M=100)	

Aquatic Chronic 1, H410 (M=100)  
EUH071

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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

EU: 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 and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 5 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

This product contains substances that may trigger an allergic reaction to predisposed persons.

#### 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

Not applicable

#### 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.

#### 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, 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

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

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.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

##### Storage temperature

Temperatur
> 0°C

##### 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

—  
Butyl acrylate

Long term exposure limit (8 hours) (ppm): 1

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

Short term exposure limit (15 minutes) (ppm): 5

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 26

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

Product/Ingredient name	DNEL	Route of exposure	Duration
2,4,7,9-tetramethyldec-5-yne-4,7-diol	1,76 mg/m <sup>3</sup>	Inhalation	Long term – Systemic effects - Workers
2,4,7,9-tetramethyldec-5-yne-4,7-diol	5,28 mg/m <sup>3</sup>	Inhalation	Short term – Systemic effects - Workers
2,4,7,9-tetramethyldec-5-yne-4,7-diol	0,5 mg/kg	Dermal	Long term – Systemic effects - Workers
2,4,7,9-tetramethyldec-5-yne-4,7-diol	1,5 mg/kg	Dermal	Short term – Systemic effects - Workers

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2015/830

2,4,7,9-tetramethyldec-5-yne-4,7-diol	0,43 mg/m <sup>3</sup>	Inhalation	Long term – Systemic effects - General population
2,4,7,9-tetramethyldec-5-yne-4,7-diol	1,29 mg/m <sup>3</sup>	Inhalation	Short term – Systemic effects - General population
2,4,7,9-tetramethyldec-5-yne-4,7-diol	0,25 mg/kg	Dermal	Long term – Systemic effects - General population
2,4,7,9-tetramethyldec-5-yne-4,7-diol	0,75 mg/kg	Dermal	Short term – Systemic effects - General population
2,4,7,9-tetramethyldec-5-yne-4,7-diol	0,25 mg/kg	Oral	Long term – Systemic effects - General population
2,4,7,9-tetramethyldec-5-yne-4,7-diol	0,75 mg/kg	Oral	Short term – Systemic effects - General population

## PNEC

Product/Ingredient name	PNEC	Route of exposure	Duration of Exposure
2,4,7,9-tetramethyldec-5-yne-4,7-diol	0,04 mg/l	Freshwater	No data available
2,4,7,9-tetramethyldec-5-yne-4,7-diol	0,004 mg/l	Marine water	No data available
2,4,7,9-tetramethyldec-5-yne-4,7-diol	0,4 mg/l	Intermittent release	No data available
2,4,7,9-tetramethyldec-5-yne-4,7-diol	7 mg/l	Sewage treatment plant	No data available
2,4,7,9-tetramethyldec-5-yne-4,7-diol	0,32 mg/kg dry weight	Freshwater sediment	No data available
2,4,7,9-tetramethyldec-5-yne-4,7-diol	0,032 mg/kg dry weight	Marine water sediment	No data available
2,4,7,9-tetramethyldec-5-yne-4,7-diol	0,028 mg/kg dry weight	Soil	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, eating and drinking are not allowed in the work premises

### 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

Airborne gas and dust concentrations 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

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

No specific requirements

### Skin protection

No specific requirements

### Hand protection

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



### Eye protection

No specific requirements

## SECTION 9: Physical and chemical properties

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

#### Form

Liquid

#### Colour

Blue

#### Odour

None

#### Odour threshold (ppm)

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

#### pH

5-7

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

1.00

#### Viscosity

1000-1600 mPa.s

#### Phase changes

##### Melting 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.

##### 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.

##### Evaporation rate (n-butylacetate = 100)

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.

##### Explosion limits (% v/v)

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

#### Explosive properties

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

#### Oxidizing properties

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

### 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

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 toxicological effects

##### Acute toxicity

Product/Ingredient name	Species	Test	Route of exposure	Result
bronopol	Rat	LC50	Inhalation	800 mg/l
bronopol	-	-	Dermal	1600 mg/kg ·
bronopol	Rat	-	Oral	254 mg/kg ·
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Rat	LD50	Oral	49,6-75 mg/kg ·
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Rat	LC50	Inhalation	0,33 mg/l, 4 h aerosol ·
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-	Rabbit	LD50	Dermal	141 mg/kg ·

one (3:1)

#### Skin corrosion/irritation

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

#### Serious eye damage/irritation

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

#### Respiratory sensitisation

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

#### Skin sensitisation

Product/Ingredient name	Species	Test	Irritation Parameter	Target organ	Result
bronopol	Guinea pig	-	-	-	Ikke sensibiliserende
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Guinea pig	OECD 406	-	-	Adverse effect observed

#### 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.

#### Long term effects

No special

#### Other information

Butyl acrylate has been classified by IARC as a group 3 carcinogen.

## SECTION 12: Ecological information

### 12.1. Toxicity

Product/Ingredient name	Species	Test	Duration	Result
bronopol	Daphnia	NOEC	21 days	0,06 mg/l ·
bronopol	Fish	LC50	96 hours	41,2 mg/l ·
bronopol	Daphnia	EC50	48 hours	1,4 mg/l ·
bronopol	Algae	EC50	72 hours	0,4 mg/l ·
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Algae	EC50	72 hours	0,027 mg/l ·

### 12.2. Persistence and degradability



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2015/830

Product/Ingredient name	Biodegradability	Test	Result
bronopol	Yes	OECD 301 B	51-57%, Inherent, 28 days
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Yes	OECD 301 D	>60%

### 12.3. Bioaccumulative potential

Product/Ingredient name	Potential bioaccumulation	LogPow	BCF
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	No	No data available	3.6000000

### 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. Other adverse effects

No special

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is not covered by regulations on dangerous 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 - 14.4

Not dangerous goods according to ADR, IATA and IMDG.

#### ADR/RID

Not applicable

#### IMDG

Not applicable

#### IATA

Not applicable

"MARINE POLLUTANT"

No

### 14.5. Environmental hazards

Not applicable

### 14.6. Special precautions for user

Not applicable

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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

Not applicable

#### Sources

No specific requirements

Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC.

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

H317, May cause an allergic skin reaction.

H318, Causes serious eye damage.

H412, Harmful to aquatic life with long lasting effects.

H400, Very toxic to aquatic life.

H312, Harmful in contact with skin.

H315, Causes skin irritation.

H335, May cause respiratory irritation.

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

H302, Harmful if swallowed.

H319, Causes serious eye irritation.

H226, Flammable liquid and vapour.

H301, Toxic if swallowed.

H310, Fatal in contact with skin.

H314, Causes severe skin burns and eye damage.

H330, Fatal if inhaled.

EUH071, Corrosive to the respiratory tract.

### 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

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

Not applicable

#### The safety data sheet is validated by

Product Safety Department

#### 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.