

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

1.1. Product identifier

Product form : Mixture
Product name : CALISAN NHL
Type of product : Macroporous anti-moisture and anti-salt coating

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

1.2.1. Relevant identified uses

Use of the substance/mixture : SU3 Industrial uses
SU22 Professional uses

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Rewah NV
Nijverheidsweg 24
B-2240 Zandhoven
Belgique-België
T +32 (0)3 475 14 14
info@rewah.com, www.rewah.com

1.4. Emergency telephone number

Emergency number : +32 (0)70 245 245

Country/Area	Organisation/Company	Address	Emergency number	Comment
Belgium	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 1120 Bruxelles/Brussel	+ 32 (0)70 245 245	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2 H315
Eye Dam. 1 H318
Skin Sens. 1 H317
STOT SE 3 H335

Full text of hazard classes, H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

The white cement contained in the product can irritate the eyes, mucous membranes, throat and respiratory system and cause coughing. Frequent inhalation of cement for a long time increases the risk of lung disease. Repeated and prolonged contact of cement with wet skin, due to perspiration or moisture, may cause irritation and / or dermatitis.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



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	GHS05	GHS07
Signal word (CLP)	: Danger	
Contains	: calcium hydroxide; White Cement Portland	
Hazard statements (CLP)	: H315 - Causes skin irritation.	
	H317 - May cause an allergic skin reaction.	
	H318 - Causes serious eye damage.	
	H335 - May cause respiratory irritation.	
Precautionary statements (CLP)	: P261 - Avoid breathing dust, fume, gas, mist, spray, vapours.	
	P264 - Wash hands, forearms and face thoroughly after handling.	
	P280 - Wear protective gloves/protective clothing/eye protection/face protection.	
	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
	P310 - Immediately call a POISON CENTER or doctor/physician.	

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
White Cement Portland	CAS-No.: 65997-15-1 EC-No.: 266-043-4	$10 \leq x < 20$	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335
Lime (chemical), hydraulic substance with a Community workplace exposure limit	CAS-No.: 85117-09-5 EC-No.: 285-561-1 REACH-no: 01-2119475523-36	$9 \leq x < 19$	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
calcium hydroxide	CAS-No.: 1305-62-0 EC-No.: 215-137-3 REACH-no: 01-2119475151-45	$5 \leq x < 9$	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Immediately wash with plenty of soap and water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse with running water for several minutes, keeping the eyelids open, and seek medical attention.
First-aid measures after ingestion	: Rinse mouth out with water. Call a poison center or a doctor if you feel unwell. Do not give anything to drink. Do not induce vomiting.

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

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: Repeated exposure to aerosols may result in lung damage.
Symptoms/effects after skin contact	: May cause moderate irritation, including burning sensation, tearing, redness or swelling. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.
Symptoms/effects after eye contact	: If the powder of the mixture (dry or wet) comes into contact with eyes, it may cause irritation or serious damage, potentially irreversible.
Symptoms/effects after ingestion	: In case of accidental ingestion, the cement may ulcerate the digestive tract.
Chronic symptoms	: No significant signs or symptoms indicative of any health hazard are expected to occur.

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

No data available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: The product is not flammable. All extinguishing media can be used.
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5.2. Special hazards arising from the substance or mixture

Fire hazard	: The product is not combustible or explosive and it does not promote or feed the combustion of other materials.
Hazardous decomposition products in case of fire	: Not combustible.

5.3. Advice for firefighters

Protection during firefighting	: Ensure adequate ventilation.
Other information	: The product does not present fire-related risks. No special protective equipment is required for the fire management staff.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes.
Measures in case of dust release	: Make sure there is adequate ventilation. Keep dust levels to a minimum. People who do not wear any protective equipment must be kept at a safe distance. Avoid contact with skin, eyes and clothing - wear suitable protective equipment (see Point 8). Avoid inhaling dust - make sure that there is adequate ventilation or wear a protective mask/suitable protective equipment (see Point 8).

6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Ensure adequate ventilation. Mechanically recover the product.
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6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in dry protected location to prevent any moisture contact. Keep/Store away from Acids.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

calcium hydroxide (1305-62-0)

Belgium - Occupational Exposure Limits

Local name	Calcium (hydroxyde de)
OEL TWA	5 mg/m ³

United Kingdom - Occupational Exposure Limits

Local name	Calcium hydroxide
WEL TWA (OEL TWA)	5 mg/m ³

White Cement Portland (65997-15-1)

Belgium - Occupational Exposure Limits

Local name	Ciment portland
OEL TWA	10 mg/m ³
OEL STEL	4 mg/m ³

United Kingdom - Occupational Exposure Limits

Local name	Portland cement
WEL TWA (OEL TWA)	10 inhalable dust

Lime (chemical), hydraulic (85117-09-5)

EU - Indicative Occupational Exposure Limit (IOEL)

IOEL TWA	1 mg/m ³
IOEL STEL	4 mg/m ³

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

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8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Since adequate technical equipment must always be given priority over personal protective equipment, make sure that there is good ventilation in the workplace by means of effective local extraction.

The personal protective equipment must comply with the applicable regulations below.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

tightly fitting safety goggles. ISO 16321-1

8.2.2.2. Skin protection

Skin and body protection:

Wear long-sleeved overalls and safety footwear for professional use category II (ref. Directive 89/686/EC and Standard EN 344). Wash with soap and water after removing protective clothing.

Hand protection:

Protect your hands with Category II work gloves (ref. Directive 89/686/EC and Standard EN 374), such as those made of PVC, neoprene, nitrile or equivalent material. The following must be considered for the final selection of the glove material: degradation, break-through time and permeation. In the case of preparations, the resistance of the work gloves must be verified before use as it can be unpredictable. The gloves have a wear time limit that depends on the duration of exposure. Wash your hands before work and at the end of the work shift. After handling the product, use moisturising skin cream.

Other skin protection

Materials for protective clothing:

Wear suitable protective work clothes.

8.2.2.3. Respiratory protection

Respiratory protection:

Protect the respiratory tract if dust is generated (EN 143 P1 filter for particles). Provide for an eye wash and emergency shower system.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: light brown.
Appearance	: Powder.
Odour	: Odourless.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not applicable
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable

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Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: Not available
pH solution	: 12 (mixed product)
Viscosity, kinematic	: Not applicable
Solubility	: Partially soluble. Solidifies on exposure to water(moist).
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: 1,3 – 1,6
Relative vapour density at 20°C	: Not applicable
Particle size	: Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product hardens when mixed with water, thereby forming a stable mass that does not react with the environment.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

calcium hydroxide (1305-62-0)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	2500 mg/kg
White Cement Portland (65997-15-1)	
LD50 dermal rat	> 2000 mg/kg
Skin corrosion/irritation	: Causes skin irritation.

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calcium hydroxide (1305-62-0)	
pH	≈ 11
Serious eye damage/irritation	: Causes serious eye damage.
calcium hydroxide (1305-62-0)	
pH	≈ 11
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
calcium hydroxide (1305-62-0)	
STOT-single exposure	May cause respiratory irritation.
White Cement Portland (65997-15-1)	
STOT-single exposure	May cause respiratory irritation.
Lime (chemical), hydraulic (85117-09-5)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Before neutralisation, the product may represent a danger to aquatic organisms. Leaking large quantities of product into water can lead to an increase in the pH levels and, in given circumstances, can therefore be toxic for aquatic life.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

calcium hydroxide (1305-62-0)	
LC50 - Fish [1]	50,7 mg/l (freshwater)
LC50 - Fish [2]	457 mg/l (marine water)
LC50 - Other aquatic organisms [1]	1,07 mg/l (OECD 203 method) Cyprinus carpio
EC50 - Crustacea [1]	49,1 mg/l
NOEC (chronic)	32 mg/l
White Cement Portland (65997-15-1)	
LC50 - Fish [1]	> 10000 mg/l Brachydanio rerio (zebra-fish)
EC50 - Crustacea [1]	> 10000 mg/l EC50 (Daphnia Magna)
EC50 72h - Algae [1]	440 mg/l Selenastrum capricornutum

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12.2. Persistence and degradability

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Persistence and degradability

Rapidly degradable

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

: The product hardens 5-6 hours after water has been added and it can be disposed of as construction waste.
The hazard level of waste containing this product must be evaluated according to applicable regulations.
Disposal must be performed through an authorised facility, in compliance with national and local regulations.

SECTION 14: Transport information

In accordance with

14.1. UN number or ID number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

Other information

: No supplementary information available

14.6. Special precautions for user

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Other information, restriction and prohibition regulations

: Workers exposed to this chemical agent dangerous to health shall be subject to health surveillance carried out in accordance with the provisions of Art. 41 of D. Lgs. 09/04/2008 n. 81 unless the risk to the safety and health of the worker has been assessed as insignificant, as provided by Art. 224 Paragraph 2.
EC Regulation No. 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), in Annex XVII, Item 47, as amended by Regulation EC No 552/2009, imposes the prohibition on marketing and to use cement and its preparations if they contain, when mixed with water, more than 0.0002% (2ppm) of chromium VI water-soluble on the total dry weight of the cement itself.
Since the white cement contained in the product, after being mixed with water, does not contain more than 0.0002% (2 ppm) of water-soluble Cr (VI) on the total dry weight, the same mixture can be marketed without the addition of reducing agents.

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Does not contain a substance covered by Regulation (EC) No 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and placing on the market of certain substances used in the unlawful production of narcotic drugs and psychotropic substances .

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Eye Dam. 1	Serious eye damage/eye irritation, Category 1
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Full text of H- and EUH-statements:	
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Skin Irrit. 2	H315	Expert judgement
Eye Dam. 1	H318	Expert judgement
Skin Sens. 1	H317	Calculation method
STOT SE 3	H335	Calculation method

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.