

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

PT Soft Wood Lye

Product no.

1

REACH registration number

Not applicable

Other means of identification

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

Relevant identified uses of the substance or mixture

Lye for wood

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

NOWOCOAT INDUSTRIAL A/S

Gl. Donsvej 6

6000 Kolding

tlf: +45 75 50 11 11

mail@nowocoat.dk

Contact person

Joen Reinert

E-mail

joen@nowocoat.dk

SDS date

12-03-2013

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

Corrosive. // R34

See full text of H/R-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)



Hazard statement(s)

Causes burns. (R34)

Identity of the substances primarily responsible for the major health hazards

sodium hydroxide

Safety statement(s)	General	Keep locked up and out of the reach of children.
	Prevention	Wear suitable protective clothing, gloves and eye/face protection. Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
	Response	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Storage -
Disposal -

2.3. Other hazards

Additional labelling

-

Additional warnings

Tactile warning. If this product is sold retail, it must be delivered in a child-proof container.

VOC

-

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances

NAME: water
IDENTIFICATION NOS.: CAS-no: 7732-18-5 EC-no: -
CONTENT: 80-95%
DSD CLASSIFICATION: -
CLP CLASSIFICATION: -

NAME: calcium dihydroxide
IDENTIFICATION NOS.: CAS-no: 1305-62-0 EC-no: 215-137-3
CONTENT: 5-15%
DSD CLASSIFICATION: -
CLP CLASSIFICATION: -

NAME: sodium hydroxide
IDENTIFICATION NOS.: CAS-no: 1310-73-2 EC-no: 215-185-5 Index-no: 011-002-00-6
CONTENT: 1-5%
DSD CLASSIFICATION: C; R35
CLP CLASSIFICATION: Skin Corr. 1A
H314

NAME: titanium dioxide
IDENTIFICATION NOS.: CAS-no: 13463-67-7 EC-no: 236-675-5
CONTENT: 1-5%
DSD CLASSIFICATION: -
CLP CLASSIFICATION: -

NAME: Ethylhydroxyethyl cellulose
IDENTIFICATION NOS.: CAS-no: 9004-58-4
CONTENT: <1%
DSD CLASSIFICATION: -
CLP CLASSIFICATION: -

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

Other informations

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 continue. Never give an unconscious person water or similar.

Inhalation

Get the injured person into fresh air. Make sure there is always someone with the injured person. Prevent shock by keeping the injured person warm and calm. If the person stops breathing, give mouth-to-mouth resuscitation. If unconscious, roll the injured person onto side with the top leg bent at both knee and hip. Call an ambulance.

Skin contact

Remove contaminated clothing and shoes at once. Skin that has come in contact with the material must be washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

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

Ingestion

Give the person plenty to drink and stay with the person. If the person feels unwell, contact a doctor immediately and take this safety data sheet or the label from the product with you. Do not induce vomiting unless recommended by the doctor. Hold head facing down so that no vomit runs back into the mouth and throat.

Burns

Rinse with water until the pain stops and continue for 30 minutes.

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

Tissue damaging effects: This product contains substances which are corrosive. If vapour or aerosols are inhaled, it can result in damage to lungs, irritation and burns in the respiratory organs as well as coughing. Corrosive substances cause irreversible damage to eyes and acid burns to skin.

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

No 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. Water jets 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, as in the case of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Some metal oxides. Fire will result in thick black smoke. Exposure to catabolic products can damage your health. Fire fighters should use proper protection gear. Closed containers, which are exposed to fire, should be cooled with water. Do not let fire-extinguishing water run into sewers and other water courses.

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 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. Cleaning should be done as far as possible using normal cleaning agents. Solvents should be avoided.

6.4. Reference to other sections

See section on "Disposal considerations" with regard to the 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. Avoid direct contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

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

Storage temperature

NA

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

sodium hydroxide (EH40/2005)
Long-term exposure limit (8-hour TWA reference period): - ppm | - mg/m³
Short-term exposure limit (15-minute reference period): - ppm | 2 mg/m³

calcium dihydroxide (EH40/2005)
Long-term exposure limit (8-hour TWA reference period): - ppm | 5 mg/m³
Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

DNEL / PNEC

DNEL (titanium dioxide): 10 mg/m³ - Exposure: Inhalation - Duration: Long term - local effect - Remarks: Workers
DNEL (calcium dihydroxide): 4 mg/m³ - Exposure: Inhalation - Duration: Short term – Local effects - Remarks: Workers
DNEL (calcium dihydroxide): 1 mg/m³ - Exposure: Inhalation - Duration: Long term – Local effects - Remarks: Workers
DNEL (calcium dihydroxide): 4 mg/m³ - Exposure: Inhalation - Duration: Short term – Local effects - Remarks: General population
DNEL (calcium dihydroxide): 1 mg/m³ - Exposure: Inhalation - Duration: Long term – Local effects - Remarks: General population
DNEL (sodium hydroxide): 1 mg/m³ - Exposure: Inhalation - Duration: long term-local effect - Remarks: Workers
DNEL (sodium hydroxide): 1 mg/m³ - Exposure: Inhalation - Duration: long term-local effect - Remarks: General population

PNEC (titanium dioxide): 0,127 mg/l - Exposure: Water - Duration: Single - Remarks: Fresh water
PNEC (titanium dioxide): 1 mg/l - Exposure: Water - Duration: Single - Remarks: Marin water
PNEC (titanium dioxide): 0,61 mg/l - Exposure: Water - Duration: Continuous - Remarks: Intermittent releases
PNEC (titanium dioxide): 100 mg/kg - Exposure: Soil - Duration: Single
PNEC (calcium dihydroxide): 0,49 mg/l - Exposure: Water - Duration: Single - Remarks: Fresh water
PNEC (calcium dihydroxide): 0,32 mg/l - Exposure: Water - Duration: Single - Remarks: Marine water
PNEC (calcium dihydroxide): 0,49 mg/l - Exposure: Water - Duration: Continuous - Remarks: Intermittent release

8.2. Exposure controls

Compliance with the stated exposure limits values should be checked on a regular basis.

General recommendations

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom.

Exposure scenarios

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

Exposure limits

Trade users are covered by the rules of the working environment legislation on maximum concentrations for exposure. See work hygiene threshold values below.

Appropriate technical measures

Airborne gas and dust concentrations must be kept as low as possible and below the current threshold values (see below). Use for example an exhaust system if the normal air flow in the work room is not sufficient. Make sure that eyewash and emergency showers are clearly marked.

Hygiene measures

Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face.

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

Only CE-marked personal protection equipment should be used.

Respiratory Equipment

Recommended: NA, -, -

Skin protection

Special work clothing should be used. When working with this product for a long period of time, use a protective suit.

Hand protection

Recommended: Household gloves. . Breakthrough time: See the manufacturer's instructions

Eye protection

Use face shield. Use safety glasses with a side shield as an alternative.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Colour	Odour	pH	Viscosity	Density (g/cm ³)
Liquid	White	None	-	-	-

Phase changes

Melting point (°C)	Boiling point (°C)	Vapour pressure (mm Hg)
-	-	-

Data on fire and explosion hazards

Flashpoint (°C)	Ignition (°C)	Self ignition (°C)
-	-	-
Explosion limits (Vol %)	Oxidizing properties	
-	-	

Solubility

Solubility in water	n-octanol/water coefficient
Soluble	-

9.2. Other information

Solubility in fat	Additional information
-	N/A

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 on "Handling and storage".

10.3. Possibility of hazardous reactions

No special

10.4. Conditions to avoid

Do not expose to heat (e.g. sunlight), because it can lead to excess pressure.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidising agents, and strong catabolic 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
titanium dioxide	Rat	LD50	Oral	> 5000 mg/kg
titanium dioxide	Rat	LC50	Inhalation	> 6,82 mg/m ³
calcium dihydroxide	Rat	LD50	Oral	>2 g/kg
calcium dihydroxide	Rabbit	LD50	Dermal	>2,5 g/kg
sodium hydroxide	Rabbit	LD50	Oral	325 mg/kg

Long term effects

Tissue damaging effects: This product contains substances which are corrosive. If vapour or aerosols are inhaled, it can result in damage to lungs, irritation and burns in the respiratory organs as well as coughing. Corrosive substances cause irreversible damage to eyes and acid burns to skin.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Species	Test	Test duration	Result
titanium dioxide	Fish	LC50	96 h	> 1000 mg/l
calcium dihydroxide	Fish	LC50	96 h	457 mg/l
calcium dihydroxide	Daphnia	LC50	96 h	158 mg/l
calcium dihydroxide	Daphnia	LC50	14 d	53,1 mg/l
calcium dihydroxide	Algae	EC50	72 h	184,7 mg/l
sodium hydroxide	Fish	LC50	24 h	145 mg/l
sodium hydroxide	Daphnia	EC50	48 h	40.4 mg/l

12.2. Persistence and degradability

According to EC-Regulation 1907/2006 (REACH)

Substance	Biodegradability	Test	Result
Ethylhydroxyethyl cellulose		No data available	No data available
calcium dihydroxide	Yes	No data available	No data available
sodium hydroxide		No data available	No data available

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BFC
titanium dioxide	No	No data available	No data available
Ethylhydroxyethyl cellulose	No	No data available	No data available
calcium dihydroxide	No	No data available	No data available
sodium hydroxide	No	No data available	No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No special

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

Waste

EWC code

-

Specific labelling

-

Contaminated packing

Packaging which contains leftovers from the product must be disposed of in the same way as the product.

SECTION 14: Transport information

Not listed as dangerous goods under ADR and IMDG regulations.

14.1 – 14.4

ADR/RID	14.1. UN number	14.2. UN proper shipping name	14.3. Transport hazard class(es)	14.4. Packing group	Notes		
IMDG	UN-no.	Proper Shipping Name	Class	PG*	EmS	MP**	Hazardous constituent

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. For exceptions, see the Danish Working Environment Authority's Executive Order No. 239 of 6 April 2005.

Demands for specific education

-

▼ **Additional information**

-

15.2. Chemical safety assessment

No

SECTION 16: Other information'

Sources

EC regulation 1907/2006 (REACH)
Directive 2000/532/EC
EC Regulation 1272/2008 (CLP)

Full text of H/R-phrases as mentioned in section 3

R35 - Causes severe burns.
H314 - Causes severe skin burns and eye damage.

The full text of identified uses as mentioned in section 1

Other symbols mentioned in section 2

-

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

Joen Reinert

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

21-02-2013

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

12-03-2013