

# **SAFETY DATA SHEET**

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

## **SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

### **1.1. Product identifier**

Product name : NORDICARE STONE IMPREGNATION  
Product code : N\_EN\_318.  
PR-nummer:  
UFI : 2520-20H2-200F-DFDM

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

Water-based product for sealing and protecting tiles of concrete and other porous materials.

### **1.3. Details of the supplier of the safety data sheet**

Registered company name : NGL NORDIC A/S.  
Address : Industriskellet 10.2635.Ishøj.Denmark.  
Telephone : +4548176970. Fax : +4548174970.  
nordic@ngl-group.com

### **1.4. Emergency telephone number :**

Association/Organisation : .

-

### **Other emergency numbers**

+45 4817 6970: Monday to Thursday 08:00-16:00; Friday 08:00-15:30

## **SECTION 2 : HAZARDS IDENTIFICATION**

### **2.1. Classification of the substance or mixture**

#### **In compliance with EC regulation No. 1272/2008 and its amendments.**

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.  
This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).  
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

### **2.2. Label elements**

Mixture for spray application.

#### **In compliance with EC regulation No. 1272/2008 and its amendments.**

Additional labeling :  
EUH210 Safety data sheet available on request.  
Precautionary statements - General :  
P102 Keep out of reach of children.  
Other information :

### **2.3. Other hazards**

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC)  $\geq$  0.1% published by the European Chemicals Agency (ECHA) under article 59 of REACH: <http://echa.europa.eu/fr/candidate-list-table>  
The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.  
The mixture does not contain substances  $\geq$  0.1% with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures****Composition :**

Identification	Classification (EC) 1272/2008	Note	%
INDEX: 0362 CAS: 102782-92-3 EC: 600-354-1  POLY[3-((2-AMINOETHYL)AMINO)PROPYL]METHYL(DIMETHYL)SILOXANE, METHOXY-TERMINATED	GHS07 Wng Skin Irrit. 2, H315 Eye Irrit. 2, H319		1 <= x % < 2.5
INDEX: 603_096_008_ CAS: 112-34-5 EC: 203-961-6 REACH: 01-2119475104-44-XXXX  2-(2-BUTOXYETHOXY)ETHANOL	GHS07 Wng Eye Irrit. 2, H319	[i] [xvii]	0 <= x % < 1.0

**Specific concentration limits:**

Identification	Specific concentration limits	ATE
INDEX: 603_096_008_ CAS: 112-34-5 EC: 203-961-6 REACH: 01-2119475104-44-XXXX  2-(2-BUTOXYETHOXY)ETHANOL		dermal: ATE = 2764 mg/kg BW oral: ATE = 7291 mg/kg BW

**Information on ingredients :**

(Full text of H-phrases: see section 16)

[i] Substance for which maximum workplace exposure limits are available.

[xvii] Restricted substance under Regulation (EC) No. 1907/2006 (REACH), Annex XVII.

**SECTION 4 : FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

**4.1. description of first aid measures****In the event of exposure by inhalation :**

Move person into fresh air and observe. Contact a physician in serious cases.

**In the event of splashes or contact with eyes :**

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 physician, if pain persists.

**In the event of splashes or contact with skin :**

Wash skin with soap and water. Remove and wash clothing after contact.

**In the event of swallowing :**

Seek medical attention, showing the label.

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

No data available.

**4.3. Indication of any immediate medical attention and special treatment needed****Information for the doctor :**

Bring this safety data sheet.

**SECTION 5 : FIREFIGHTING MEASURES**

Non-flammable.

**5.1. Extinguishing media****5.2. Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

**NORDICARE STONE IMPREGNATION - N\_EN\_318****5.3. Advice for firefighters**

Avoid breathing fumes/vapours. Wear self-contained breathing apparatus, gloves, safety spectacles and protective clothes.

**SECTION 6 : ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Consult the safety measures listed under headings 7 and 8.

**For first aid worker**

First aid workers will be equipped with suitable personal protective equipment (See section 8).

**6.2. Environmental precautions**

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

**6.3. Methods and material for containment and cleaning up**

Clean preferably with a detergent, do not use solvents.

**6.4. Reference to other sections**

See section 13 on "Disposal" with regard to the handling of waste. See section 8 on 'Exposure controls/personal protection' for protective measures.

**SECTION 7 : HANDLING AND STORAGE**

Requirements relating to storage premises apply to all facilities where the mixture is handled.

**7.1. Precautions for safe handling**

Always wash hands after handling.

**Fire prevention :**

Prevent access by unauthorised personnel.

**Recommended equipment and procedures :**

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

**Prohibited equipment and procedures :**

No smoking, eating or drinking in areas where the mixture is used.

**7.2. Conditions for safe storage, including any incompatibilities**

No data available.

**Storage**

Keep out of reach of children.

Store between 5° and 40°C.

**Packaging**

Always keep in packaging made of an identical material to the original.

**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****Occupational exposure limits :**

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
112-34-5	10 ppm 67.5 mg/m <sup>3</sup>	15 ppm 101.2 mg/m <sup>3</sup>			

- European Union (2022/431, 2019/1831, 2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

CAS	VME-mg/m <sup>3</sup> :	VME-ppm :	VLE-mg/m <sup>3</sup> :	VLE-ppm :	Notes :
112-34-5	67.5	10	101.2	15	-

**Derived no effect level (DNEL) or derived minimum effect level (DMEL):**

2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)

**Final use:**

Exposure method:  
Potential health effects:  
DNEL :

**Workers.**

Dermal contact.  
Long term systemic effects.  
83 mg/kg body weight/day

Exposure method:  
Potential health effects:

Inhalation.  
Long term systemic effects.

**NORDICARE STONE IMPREGNATION - N\_EN\_318**

DNEL : 67.5 mg of substance/m3

Exposure method: Inhalation.  
Potential health effects: Long term local effects.  
DNEL : 67.5 mg of substance/m3Exposure method: Inhalation.  
Potential health effects: Short term local effects.  
DNEL : 101.2 mg of substance/m3**Final use:**Exposure method: Ingestion.  
Potential health effects: Long term systemic effects.  
DNEL : 5 mg/kg body weight/dayExposure method: Dermal contact.  
Potential health effects: Long term systemic effects.  
DNEL : 50 mg/kg body weight/dayExposure method: Inhalation.  
Potential health effects: Long term systemic effects.  
DNEL : 40.5 mg of substance/m3Exposure method: Inhalation.  
Potential health effects: Long term local effects.  
DNEL : 40.5 mg of substance/m3Exposure method: Inhalation.  
Potential health effects: Short term local effects.  
DNEL : 60.7 mg of substance/m3**Man exposed via the environment.****Predicted no effect concentration (PNEC):**

2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)

Environmental compartment: Soil.  
PNEC : 0.32 mg/kgEnvironmental compartment: Fresh water.  
PNEC : 1.1 mg/lEnvironmental compartment: Sea water.  
PNEC : 0.11 mg/lEnvironmental compartment: Fresh water sediment.  
PNEC : 4.4 mg/kgEnvironmental compartment: Marine sediment.  
PNEC : 0.44 mg/kgEnvironmental compartment: Waste water treatment plant.  
PNEC : 200 mg/l**8.2. Exposure controls****Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**- Eye / face protection**

Avoid contact with eyes.

Wear eye protection/face shield if there is risk of splashes in eyes.

**NORDICARE STONE IMPREGNATION - N\_EN\_318****- Hand protection**

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves recommended :

- Natural latex
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)

**- Body protection**

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties****Physical state**

Physical state : Fluid liquid.

**Colour**

Unspecified

**Odour**

Odour threshold : Not stated.

**Melting point**

Melting point/melting range : Not specified.

**Freezing point**

Freezing point / Freezing range : Not stated.

**Boiling point or initial boiling point and boiling range**

Boiling point/boiling range : Not specified.

**Flammability**

Flammability (solid, gas) : Not stated.

**Lower and upper explosion limit**

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

**Flash point**

Flash point interval : Not relevant.

**Auto-ignition temperature**

Self-ignition temperature : Not specified.

**Decomposition temperature**

Decomposition point/decomposition range : Not specified.

**pH**

pH : 4.50 ±0.5.

Slightly acidic.

pH (aqueous solution) : Not stated.

**Kinematic viscosity**

Viscosity : Not stated.

**Solubility**

Water solubility : Dilutable.

Fat solubility : Not stated.

**Partition coefficient n-octanol/water (log value)**

Partition coefficient: n-octanol/water : Not stated.

**Vapour pressure**

Vapour pressure (50°C) : Not relevant.

**Density and/or relative density**

Density : = 1

**Relative vapour density**

Vapour density : Not stated.

**9.2. Other information**

VOC (g/l) : 0.00

**9.2.1. Information with regard to physical hazard classes**

No data available.

**9.2.2. Other safety characteristics**

No data available.

## **SECTION 10 : STABILITY AND REACTIVITY**

### **10.1. Reactivity**

No data available.

### **10.2. Chemical stability**

This mixture is stable under the recommended handling and storage conditions in section 7.

### **10.3. Possibility of hazardous reactions**

No data available.

### **10.4. Conditions to avoid**

Avoid :

- frost

The product separates upon thawing after freezing

### **10.5. Incompatible materials**

No data available.

### **10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO<sub>2</sub>)

## **SECTION 11 : TOXICOLOGICAL INFORMATION**

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

No data available.

#### **11.1.1. Substances**

##### **Acute toxicity :**

2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)

Oral route :

LD50 = 7291 mg/kg bodyweight/day

Species : Rat

Dermal route :

LD50 = 2764 mg/kg bodyweight/day

Species : Rabbit

Inhalation route (Dusts/mist) :

LC50 > 29 ppm

Species : Rat

##### **Skin corrosion/skin irritation :**

2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)

Irritation :

Average score = 1.78

Effect observed : Erythema score

Species : Rabbit

##### **Germ cell mutagenicity :**

2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)

No mutagenic effect.

Mutagenesis (in vivo) :

Negative.

OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)

Mutagenesis (in vitro) :

Negative.

Species : Bacteria

OECD Guideline 471 (Bacterial Reverse Mutation Assay)

##### **Reproductive toxicant :**

2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)

Study on fertility :

Species : Rat

#### **11.1.2. Mixture**

No toxicological data available for the mixture.

#### **11.2. Information on other hazards**

**SECTION 12 : ECOLOGICAL INFORMATION****12.1. Toxicity****12.1.1. Substances**

2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)	
Fish toxicity :	LC50 = 1300 mg/l Species : Lepomis macrochirus Duration of exposure : 96 h
Crustacean toxicity :	EC50 > 100 mg/l Species : Daphnia magna Duration of exposure : 48 h
Algae toxicity :	ECr50 > 100 mg/l Species : Desmodesmus subspicatus Duration of exposure : 96 h

**12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability****12.2.1. Substances**

2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)	
Biodegradability :	Rapidly degradable.

**12.3. Bioaccumulative potential****12.3.1. Substances**

2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)	
Octanol/water partition coefficient :	log K <sub>ow</sub> = 1

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Endocrine disrupting properties**

No data available.

**12.7. Other adverse effects**

No data available.

**SECTION 13 : DISPOSAL CONSIDERATIONS**

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

**13.1. Waste treatment methods**

Do not pour into drains or waterways.

**Waste :**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging :**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

**Codes of wastes (Decision 2014/955/EC, Directive 2008/98/EEC on hazardous waste) :**

20 01 30 detergents other than those mentioned in 20 01 29

**SECTION 14 : TRANSPORT INFORMATION**

Exempt from transport classification and labelling.

**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**

-

**14.6. Special precautions for user**

-

**14.7. Maritime transport in bulk according to IMO instruments**

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**SECTION 15 : REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Classification and labelling information included in section 2:**

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2020/1182 (ATP 15)

**Container information:**

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH):  
<https://echa.europa.eu/substances-restricted-under-reach>.

**Particular provisions :**

No data available.

**15.2. Chemical safety assessment**

No data available.

**SECTION 16 : OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

**Wording of the phrases mentioned in section 3 :**

- |      |                                |
|------|--------------------------------|
| H315 | Causes skin irritation.        |
| H319 | Causes serious eye irritation. |

**Abbreviations and acronyms :**

- LD50 : The dose of a test substance resulting in 50% lethality in a given time period.  
LC50 : The concentration of a test substance resulting in 50% lethality in a given period.  
EC50 : The effective concentration of substance that causes 50% of the maximum response.  
ECr50 : The effective concentration of substance that causes 50% reduction in growth rate.  
REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.  
ATE : Acute Toxicity Estimate  
BW : Body Weight  
DNEL : Derived No-Effect Level  
PNEC : Predicted No-Effect Concentration  
UFI : Unique formulation identifier.  
STEL : Short-term exposure limit  
TWA : Time Weighted Averages  
TLV : Threshold Limit Value (exposure)  
AEV : Average Exposure Value.  
ADR : European agreement concerning the international carriage of dangerous goods by Road.  
IMDG : International Maritime Dangerous Goods.  
IATA : International Air Transport Association.  
ICAO : International Civil Aviation Organisation  
RID : Regulations concerning the International carriage of Dangerous goods by rail.  
PBT: Persistent, bioaccumulable and toxic.  
vPvB : Very persistent, very bioaccumulable.  
SVHC : Substances of very high concern.