

Safety data sheet

according to 1907/2006/EC, Article 31 & 2020/878/EC

Printing date 27.03.2026

Version number 1

Revision: 27.03.2026

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

· **1.1 Product identifier**

· **Trade name:** Ciments de référence

· **Article number / formula:**

Ciment de Référence, étalon SN1, SN2, SN3, SN4, SN5, SN1c, SN2c, SN3c, SN4c, SN5c, SN200, SN201, SN202, SN203, SN 204, SN205 et SN RESI20, RESI22.

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

· **Sector of Use** SU3 Industrial uses: Uses of substances as such or in preparations on industrial sites

· **Application of the substance / the preparation :** Mix

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

S.N.L - Société Nouvelle du Littoral

Z.A. - BP9 11370 LEUCATE (France)

Tel : +33 (0) 4 68 40 14 05 - Fax : +33 (0)4 68 40 92 72 - Email : contact@s-n-l.fr

· **1.4 Emergency telephone number:**

France (INRS 24h/24) - Tel : +33 (0)1 45 42 59 59

Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24) EU Tel: 112

Belgium - Brüssel: +32 070/245 245

UK : Call NHS 999 in a medical emergency. If you urgently need medical help or advice but it's not a life-threatening situation, call 111 (24/7). The NHS 111 number is currently only available in certain areas. If you're outside of these areas, you should call NHS Direct on 0845 4647

Swiss Toxicological Information Centre (Zürich) : +41 44 251 51 51 / www.toxi.ch.

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008 :**



GHS05

Skin Corr. 1 H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

STOT SE 3 H335 May cause respiratory irritation.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the C.L.P. regulation.

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- **Hazard pictograms**



GHS05 GHS07

- **Signal word** Danger

- **Hazard-determining components of labelling:**

Cement, portland, chemicals
cements

- **Hazard statements**

H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.

- **Precautionary statements**

P260 Do not breathe dust.
 P264+P265 Wash thoroughly after handling. Do not touch eyes.
 P280 Wear protective gloves / eye protection / face protection.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 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/doctor.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards**

The mixture shall not contain substances listed in accordance with Article 59(1) R.E.A.C.H as having endocrine disrupting properties, or be recognised 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 in a concentration equal to or greater than 0.1%.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Determination of endocrine-disrupting properties** No further information available

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**

- **Description:** Preparation: composed of the substances listed below.

- **Dangerous components:**

CAS: 65997-15-1	Cement, portland, chemicals	25-95%
EINECS: 266-043-4	Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	
RTECS: VV 8770000		

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CAS: 65996-69-2 Reg.nr.: 01-2119487456-25	Slags, ferrous metal, blast furnace	5-70%
EC number: 931-322-8	Ashes (residues), coal	5-35%
	Pouzzolane	5-35%
CAS: 1317-65-3 EINECS: 215-279-6	natural calcium carbonate substance with a Community workplace exposure limit	0-5%
CAS: 7778-18-9 EINECS: 231-900-3 Reg.nr.: 01-2119444918-26	calcium sulphate substance with a Community workplace exposure limit	0-5%
CAS: 68475-76-3	cements ☠ Eye Dam. 1, H318	0-5%
CAS: 7720-78-7 EINECS: 231-753-5 Index number: 026-003-00-7 RTECS: NO 8510000 Reg.nr.: 01-2119513203-57-xxxx	iron sulphate ☠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	0-1%

- SVHC Not applicable
- **Additional information:** For the wording of the listed risk phrases, refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:**
In case of unconsciousness place patient in a stable laying down side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
Do not induce vomiting; call for medical help immediately.
Drink plenty of water and provide fresh air. Call for a doctor immediately.
- **4.2 Most important symptoms and effects, both acute and delayed :**
No further relevant information is available.
- **4.3 Indication of any immediate medical attention and special treatment needed :**
No further relevant information is available.

SECTION 5: Firefighting measures

- **5.1 Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture :** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

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SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures :**
Wear protective equipment. Keep unprotected persons away.
Avoid formation of dust.
- **For non-emergency personnel** No other relevant information available.
- **For emergency responders** No other relevant information available.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow the product to enter sewers/ surface water or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Use neutralising agent.
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
- **6.4 Reference to other sections :**
See Section 7 for information on safe handling.
See Section 8 for information on personal protective equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling :** Thorough dedusting.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s) :** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

CAS: 65997-15-1 Cement, portland, chemicals (50-100%)

WEL (Great Britain)	Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust
MAK (Switzerland)	Long-term value: 5 e mg/m ³ S;Staub

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CAS: 1317-65-3 natural calcium carbonate (5-<10%)		
WEL (Great Britain)	Long-term value: 10* 4** mg/m ³ *inhalable dust; **respirable	
CAS: 7778-18-9 calcium sulphate (5-<10%)		
MAK (Switzerland)	Long-term value: 3 a mg/m ³ SSc;	
CAS: 7720-78-7 iron sulphate (<2.5%)		
WEL (Great Britain)	Short-term value: 2 mg/m ³ Long-term value: 1 mg/m ³ as Fe	
MAK (Switzerland)	Long-term value: 1e mg/m ³ als Fe berechnet	
· DNELs		
CAS: 1317-65-3 natural calcium carbonate		
Inhalative	DNEL Worker long-term systemic	10 mg/m ³
	DNEL Public long-term local effects	10 mg/m ³
	DNEL Worker long-term local effects	4.26 mg/m ³
CAS: 7778-18-9 calcium sulphate		
Oral	DNEL Public long-term systemic	1.52 mg/kg bw/d
Inhalative	DNEL Public long-term systemic	mg/m ³
	DNEL Worker long-term systemic	21 mg/m ³
	DNEL Public acute/short-term local effects	3,811 mg/m ³
	DNEL Worker acute/short-term local effects	5,082 mg/m ³
CAS: 7720-78-7 iron sulphate		
Oral	DNEL Public long-term systemic	0.29 mg/kg bw/d
Dermal	DNEL Public long-term systemic	0.29 mg/kg bw/d
	DNEL Worker long-term systemic	0.57 mg/kg bw/d
Inhalative	DNEL Public long-term systemic	0.5 mg/m ³
· PNECs		
CAS: 65996-69-2 Slags, ferrous metal, blast furnace		
PNEC STP	10,000 mg/L	
PNEC aqua (fresh water)	500 mg/L	
PNEC aqua (intermittent releases)	5,000 mg/L	
PNEC aqua (marine water)	500 mg/L	
PNEC soil	1,000 mg/kg	
CAS: 1317-65-3 natural calcium carbonate		
PNEC STP	100 mg/L	
CAS: 7778-18-9 calcium sulphate		
PNEC STP	100 mg/L	

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- **Additional information:**
The most current valid lists have been used as a basis for the production of this document.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**
Keep away from food, beverages and petfood.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Respiratory protection:** No special measures required.
- **Hand protection**



Protective gloves

- **Gloves material :** Nitrile rubber, NBR
- **Eye/face protection**



Tightly sealed goggles

- **Body protection:**



Protective work clothing

SECTION 9: Physical and chemical properties

- | | |
|--|-----------------|
| · 9.1 Information on basic physical and chemical properties | |
| · General Information | |
| · Physical state | Solid |
| · Form: | Solid |
| · Colour: | White |
| · Odour: | Sulfurous |
| · Odour threshold: | Not determined |
| · Melting point/freezing point: | >1,250 °C |
| · Boiling point or initial boiling point and boiling range | Not determined. |
| · Flammability | Not determined |
| · Lower and upper explosion limit | |
| · Lower: | Not determined |
| · Upper: | Not determined |
| · Flash point: | Not applicable |

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· Auto-ignition temperature:	Not applicable
· Decomposition temperature:	Not determined
· pH at 20 °C	11-13.5
· Viscosity:	
· Kinematic viscosity	Not applicable
· Kinematic:	Not applicable
· Dynamic:	Not applicable
· Solubility	
· water:	Insoluble.
· Partition coefficient n-octanol/water (log value)	Not determined
· Vapour pressure:	Not applicable
· Density and/or relative density	
· Density at 20 °C:	3.5-4 g/cm ³
· Relative density :	Not determined
· Vapour density :	Not applicable
· Particle characteristics	See section 3.
9.2 Other information :	
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not self igniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· COV (USA) :	0.00 %
· Change in condition	
· Evaporation rate :	Not applicable.
Information with regard to physical hazard classes	
· Explosives	Not classified as hazardous
· Flammable gases	Not classified as hazardous
· Aerosols	Not classified as hazardous
· Oxidising gases	Not classified as hazardous
· Gases under pressure	Not classified as hazardous
· Flammable liquids	Not classified as hazardous
· Flammable solids	Not classified as hazardous
· Self-reactive substances and mixtures	Not classified as hazardous
· Pyrophoric liquids	Not classified as hazardous
· Pyrophoric solids	Not classified as hazardous
· Self-heating substances and mixtures	Not classified as hazardous
· Substances and mixtures, which emit flammable gases in contact with water	Not classified as hazardous
· Oxidising liquids	Not classified as hazardous
· Oxidising solids	Not classified as hazardous
· Organic peroxides	Not classified as hazardous
· Corrosive to metals	Not classified as hazardous

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· Desensitised explosives	Not classified as hazardous
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SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions :** Reacts with acids.
- **10.4 Conditions to avoid :** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

CAS: 65996-69-2 Slags, ferrous metal, blast furnace

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>4,000 mg/kg (rat)
Inhalative	LC50/4 h	>230.1 mg/l (rat)

CAS: 1317-65-3 natural calcium carbonate

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	>3 mg/l (rat)

CAS: 7720-78-7 iron sulphate

Oral	LD50	≥2,000 mg/kg (rat)
Dermal	LD50	155 mg/kg (rat)

- **Primary irritant effect:**
- **On the skin:** Causes severe skin burns and eye damage.
- **On the eyes:** Causes serious eye damage.
- **Respiratory or skin sensitization** Based on available data, the classification criteria are not met.
- **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** May cause respiratory irritation.
- **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.

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· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

CAS: 65996-69-2 Slags, ferrous metal, blast furnace

LC50 96h >100 mg/l (fish)

EC50 72h >100 mg/l (Algae)

CAS: 1317-65-3 natural calcium carbonate

EC50 72h >14 mg/l

CAS: 7778-18-9 calcium sulphate

LC50 96h >79 mg/l (fish)

EC50 72h >79 mg/l (Algae)

EC50 48h >79 mg/l (daphnia)

CAS: 7720-78-7 iron sulphate

LC50 96h 0.41 mg/l (fish)

EC50 48h 6.2-9.3 mg/l (daphnia)

· 12.2 Persistence and degradability : No further relevant information available.

· 12.3 Bioaccumulative potential : No further relevant information available.

· 12.4 Mobility in soil : No further relevant information available.

· 12.5 Results of PBT and vPvB assessment

· PBT: Not applicable

· vPvB: Not applicable

· 12.6 Endocrine disrupting properties For information on endocrine disrupting properties see section 11.

· 12.7 Other adverse effects : No further relevant information available.

· Additional ecological information:

· General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Throwing away bigger amounts into drains or aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the diluted product used, the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only slightly polluting for water.

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SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation :



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue

10 00 00	WASTES FROM THERMAL PROCESSES
10 13 00	wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 14	waste concrete and concrete sludge
17 00 00	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01 00	concrete, bricks, tiles and ceramics
17 01 01	concrete
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 01	paper and cardboard packaging
HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN number or ID number	
· DOT, ADR, IMDG, IATA	none
· 14.2 UN proper shipping name	
· ADR, IMDG, IATA	none
· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	none
· 14.4 Packing group	
· ADR, IMDG, IATA	none
· 14.5 Environmental hazards:	Not applicable

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· 14.6 Special precautions for user	Not applicable
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable
· UN "Model Regulation":	none

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Poisons Act**

· Regulated explosives precursors
None of the ingredients is listed.

· Regulated poisons
None of the ingredients is listed.

· Reportable explosives precursors
None of the ingredients is listed.

· Reportable poisons
None of the ingredients is listed.

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS
None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors
None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
None of the ingredients is listed.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

— GB —

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SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Classification in accordance with Delegated Regulation (EU) 2023/1435 of 2 May 2023 adapting to technical and scientific progress for the 20th time GB CLP and amending Annex VI part 3 of Regulation (EC) 1272/2008.

Classification in accordance with Delegated Regulation (EU) 2024/197 of 19 October 2023 adapting to technical and scientific progress for the 21st time GB CLP and amending Annex VI part 3 of Regulation (EC) 1272/2008.

Classification in accordance with Delegated Regulation (EU) 2024/2564 of 19 June 2024 adapting to technical and scientific progress for the 22nd time GB CLP and amending Annex VI part 3 of Regulation (EC) 1272/2008.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2023/707.

· Relevant phrases

- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.

· Classification according to Regulation (EC) No 1272/2008

<ul style="list-style-type: none"> Skin corrosion/irritation Serious eye damage/irritation Specific target organ toxicity (single exposure) 	<p>The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.</p>
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· **Date of previous version:** 27.03.2026

· Abbreviations and acronyms:

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOC: Volatile Organic Compounds (USA, EU)
- DNEL: Derived No-Effect Level (UK REACH)
- PNEC: Predicted No-Effect Concentration (UK REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Corr. 1: Skin corrosion/irritation – Category 1
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3