

TADELAKT



SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

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

1.1. Product identifier

Product name: TADELAKT

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

Identified uses: Mortar for inside coating

Uses advised against: Any other use

1.3. Details of the supplier of the safety data sheet

Registered company name : SAS SOCLI.

Address : 2 quartier Castans.65370.Izaourt.France.

Telephone : +33 (0)5 62 99 33 80. Fax : +33 (0)5 62 99 33 86.

g.piriou@socli.fr

www.socli.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture**In compliance with EC regulation No. 1272/2008 and its amendments.**

Skin irritation, Category 2 (Skin Irrit. 2, H315).

Serious eye damage, Category 1 (Eye Dam. 1, H318).

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 an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements**In compliance with EC regulation No. 1272/2008 and its amendments.**

Hazard pictograms :



GHS05

Signal Word :

DANGER

Product identifiers :

CAS 1305-62-0 DIHYDROXYDE DE CALCIUM

Hazard statements :

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements - General :

P102 Keep out of reach of children.

Precautionary statements - Prevention :

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response :

P302 + P352 IF ON SKIN: Wash with plenty of water and soap.

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.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

Precautionary statements - Disposal :

P501 Dispose of contents/container to a waste collection point. First, product needs to be inerted by hardening with water. After use, empty the packing completely.

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2.3. Other hazards

In use, may form flammable/explosive dust-air mixture.

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 57 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.

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

| Identification | (EC) 1272/2008 | Note | % |
|--|---|------|--------------------|
| CAS: 14808-60-7 EC: 238-878-4 QUARTZ GRANULE | | [1] | 25 \leq x % < 50 |
| CAS: 1317-65-3 EC: 215-279-6 CARBONATE DE CALCIUM | | [1] | 25 \leq x % < 50 |
| CAS: 1305-62-0 DIHYDROXYDE DE CALCIUM | GHS07, GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 | [1] | 10 \leq x % < 25 |
| CAS: 471-34-1 CARBONATE DE CALCIUM, CALCAIRE, CALCITE, MARBRE, CRAIE | | [1] | 10 \leq x % < 25 |
| CAS: 14808-60-7 EC: 238-878-4 QUARTZ | GHS08 Dgr STOT RE 1, H372 | [1] | 0 \leq x % < 2.5 |

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

Information on ingredients :

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

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 :**

In the event of massive inhalation of dust, remove the person exposed to fresh air. Keep warm and at rest. Consult a doctor in case of persistent irritation.

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention immediately, 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

No data available.

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SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :

The product is not combustible. All extinguishing agents can be used.

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.

5.3. Advice for firefighters

N/A

N/A

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 non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

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

6.2. Environmental precautions

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Retrieve the product by mechanical means (sweeping/vacuuming) : do not generate dust.

6.4. Reference to other sections

No data available.

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.

Remove and wash contaminated clothing before re-using.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

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.

Avoid eye contact with this mixture at all times.

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

N/A

Storage

Keep out of reach of children.

Storage time: 1 year

Packaging

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

Unsuitable packaging materials :

- Aluminium

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7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters****Occupational exposure limits :**

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

| CAS | VME-mg/m ³ : | VME-ppm : | VLE-mg/m ³ : | VLE-ppm : | Notes : |
|-----------|-------------------------|-----------|-------------------------|-----------|---------|
| 1305-62-0 | 1 | - | 4 | - | - |

- Belgium (Arrêté du 09/03/2014, 2014) :

| CAS | TWA : | STEL : | Ceiling : | Definition : | Criteria : |
|------------|-----------------------|--------|-----------|--------------|------------|
| 14808-60-7 | 0,1 mg/m ³ | | | | |
| 1317-65-3 | 10 mg/m ³ | | | | |
| 1305-62-0 | 5 mg/m ³ | | | | |
| 471-34-1 | 10 mg/m ³ | - | - | - | - |
| 14808-60-7 | 0,1 mg/m ³ | | | | |

- France (INRS - ED984 :2016) :

| CAS | VME-ppm : | VME-mg/m ³ : | VLE-ppm : | VLE-mg/m ³ : | Notes : | TMP No : |
|------------|-----------|-------------------------|-----------|-------------------------|---------|----------|
| 14808-60-7 | - | 0.1 A | - | - | - | 25 |
| 1317-65-3 | - | 10 | - | - | - | - |
| 1305-62-0 | - | 5 | - | - | - | - |
| 471-34-1 | - | 10 | - | - | - | - |
| 14808-60-7 | - | 0.1 A | - | - | - | 25 |

- Switzerland (SUVA PRO 2017) :

| CAS | VME | VLE | Valeur plafond | Notations |
|------------|--------------------------|-----|----------------|-----------|
| 14808-60-7 | 0,15 a mg/m ³ | | | P C1 SSC |
| 1317-65-3 | 3 a | - | - | - |
| 1305-62-0 | 5 i mg/m ³ | | | SSC |
| 471-34-1 | 3 a mg/m ³ | | | |
| 14808-60-7 | 0,15 a mg/m ³ | | | P C1 SSC |

- UK / WEL (Workplace exposure limits, EH40/2005, 2011) :

| CAS | TWA : | STEL : | Ceiling : | Definition : | Criteria : |
|------------|------------------------------|------------------------------|-----------|--------------|------------|
| 14808-60-7 | 0.3 mg/m ³ | - | - | - | R |
| 1317-65-3 | - ppm 4 mg/m ³ | - ppm - mg/m ³ | | | |
| 1305-62-0 | - ppm 5 mg/m ³ | - ppm - mg/m ³ | | | |
| 471-34-1 | 10 mg/m ³ | - | - | - | TI |
| 14808-60-7 | 0.3 mg/m ³ | - | - | - | R |

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.

Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.

Prescription glasses are not considered as protection.

Provide eyewash stations in facilities where the product is handled constantly.

TADELAKT**- Hand protection**

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

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Recommended properties :

- Impervious gloves in accordance with standard EN374

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

These clothes shall be chosen to ensure there is no inflammation or irritation of the skin at the neck and wrist by contact with the powder

Suitable type of protective clothing :

Wear protective clothing against solid chemicals and particles suspended in the air (type 5) in accordance with standard EN13982-1 to prevent skin contact.

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.

- Respiratory protection

Avoid breathing dust.

Type of FFP mask :

Wear a disposable half-mask dust filter in accordance with standard EN149.

Category :

- FFP1

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

| | |
|------------------|-----------------|
| Physical state : | Powder or dust. |
| Colour: | Grey |
| Odour: | None |

Important health, safety and environmental information

| | |
|---|--------------------------|
| pH (aqueous solution) : | > 10 |
| pH : | Not relevant. |
| Boiling point/boiling range : | Not relevant. |
| Flash point interval : | Not relevant. |
| Vapour pressure (50°C) : | Not relevant. |
| Density : | Not stated. |
| Water solubility : | Partially soluble. |
| Melting point/melting range : | Point de fusion > 1000°C |
| Self-ignition temperature : | Not relevant. |
| Decomposition point/decomposition range : | Not relevant. |

9.2. Other information

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 :

- formation of dusts
- humidity

Dusts can form an explosive mixture with air.

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Minimize exposure to air and moisture to avoid degradation

10.5. Incompatible materials

Keep away from :

- acids
- metals
- powdered metals (aluminium, magnesium, potassium, sodium and zinc)

In the presence of moisture, natural hydraulic lime reacts with aluminium and brass, producing hydrogen.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

SECTION 11 : TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.

Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

11.1.1. Substances**Acute toxicity :**

DIHYDROXYDE DE CALCIUM (CAS: 1305-62-0)

Oral route : LD50 > 2000 mg/kg
Species : Rat
OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure)

CARBONATE DE CALCIUM (CAS: 1317-65-3)

Oral route : LD50 > 5000 mg/kg
Species : Rat

Skin corrosion/skin irritation :

The mixture causes a skin irritation.

Serious damage to eyes/eye irritation :

The mixture causes a serious damage to eyes.

Germ cell mutagenicity :

DIHYDROXYDE DE CALCIUM (CAS: 1305-62-0)

No mutagenic effect.

Mutagenesis (in vitro) : Negative.
Species : Bacteria
OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Ames test (in vitro) : Negative.

Carcinogenicity :

DIHYDROXYDE DE CALCIUM (CAS: 1305-62-0)

Carcinogenicity Test : Negative.
No carcinogenic effect.

Reproductive toxicant :

DIHYDROXYDE DE CALCIUM (CAS: 1305-62-0)

No toxic effect for reproduction

11.1.2. Mixture

No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 14808-60-7 : IARC Group 1 : The agent is carcinogenic to humans.

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SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity**12.1.1. Substances**

DIHYDROXYDE DE CALCIUM (CAS: 1305-62-0)

Fish toxicity : LC50 = 50.6 mg/l
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 49.1 mg/l
Duration of exposure : 48 h

Aquatic plant toxicity : ECr50 = 184.57 mg/l
Duration of exposure : 72 h

CARBONATE DE CALCIUM (CAS: 1317-65-3)

Fish toxicity : LC50 > 10000 mg/l
Species : *Trutta iridea*
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 1000 mg/l
Species : *Daphnia magna*
Duration of exposure : 48 h

Algae toxicity : ECr50 > 200 mg/l
Species : Others
Duration of exposure : 72 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

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

DIHYDROXYDE DE CALCIUM (CAS: 1305-62-0)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

CARBONATE DE CALCIUM (CAS: 1317-65-3)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential

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 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, preferably via a certified collector or company.

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

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Soiled packaging :

- Empty container completely. Keep label(s) on container.
- Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN 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

-

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. 2017/776 (ATP 10)

- Container information:

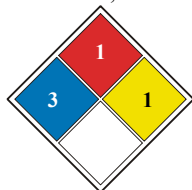
No data available.

- Particular provisions :

No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :

NFPA 704, Labelling: Health=3 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

**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. |
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation. |
| H372 | Causes damage to organs through prolonged or repeated exposure . |

Abbreviations :

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

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ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS05 : Corrosion

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.