



LE BELLE MURA

Safety Data Sheet

Dated 27/01/2025

TADELAKT

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

1.1. Product identifier

Product name TADELAKT (MARROCAN LIME PALSTER)

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

Intended use Tadelakt is a Moroccan typical wall finishing in powder.

1.3. Details of the supplier of the safety data sheet

Name **TADELAKT PLASTER**
Full address 1915 N Harlem, Chicago, IL 60707
District and Country Phone:224-615-1330
info@tadelaktplaster.com
www.tadelaktplaster.com

e-mail address of the competent person responsible for the Safety Data Sheet _____

1.4. Emergency telephone number

For urgent inquiries refer to 866-452-9982 (Monday-Friday 08.00-12.00 – 13.30-17.30)

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Serious eye damage, category 1	H318	Causes serious eye damage.
Skin irritation, category 2	H315	Causes skin irritation.
Specific target organ toxicity - single exposure, category 3	H335	May cause respiratory irritation.

2.2. Label elements.

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.



Signal words: Danger

Hazard statements:

H318	Causes serious eye damage.
H315	Causes skin irritation.
H335	May cause respiratory irritation.

Precautionary statements:

P264	Wash hands with water and soap thoroughly after handling.
P280	Wear protective gloves / eye protection / face protection.



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P304+P340 IF INHALED: remove person to fresh air and keep comfortable for breathing.
P310 Immediately call a POISON CENTER or doctor.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Contains: Calcium hydroxide

2.3. Other hazards.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

Contains:

Identification.	Conc. %.	Classification 1272/2008 (CLP).
Calcium carbonate		
CAS. 471-34-1	30 - 35	Substance with a community workplace exposure limit.
EC. 207-439-9		
INDEX. -		
Calcium hydroxide		
CAS. 1305-62-0	30 - 35	Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335
EC. 215-137-3		
INDEX. -		

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures.

4.1. Description of first aid measures.

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

For symptoms and effects caused by the contained substances, see chap. 11.

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

Follow doctor's orders

SECTION 5. Firefighting measures.

5.1. Extinguishing media.



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SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

5.3. Advice for firefighters.

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal firefighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Avoid dust formation. Avoid breathing dust provide adequate ventilation or wear protective / protector suitable mask (v. Point 8).

Wear suitable protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These directions are valid both for the workers to work which for emergency interventions.

6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Use dry cleanup methods such as vacuum cleaners or vacuum extractors (industrial portable units, equipped with high efficiency particulate filters or equivalent techniques) that do not scatter dust in the environment. Never use compressed air.

Ensure that the workers wear appropriate personal protective equipment (see Section 8) in order to prevent inhalation of dust and contact with skin and eyes.

Deposit spillage in containers for future use. Verify the compatibility of the containers for the material in Section 7.

Ensure adequate ventilation of the place affected by the loss. The disposal of contaminated material must be made in accordance with point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Handle the product after consultation with all other sections of this this safety data sheet. Avoid dispersal into the environment. Avoid contact with skin and eyes and exposure to high dust concentrations. Avoid the development and deposition of dust. Use a localized ventilation system. Do not eat, drink or smoke while handling it. Remove contaminated clothing and protective equipment before entering areas where you eat.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s).

Any specific use.



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SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Regulatory References:

EU	OEL EU	Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC.
	TLV-ACGIH	ACGIH 2014

Calcium carbonate

Threshold Limit Value.

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
TLV-ACGIH		10				INHAL.
TLV-ACGIH		3				RESP.

Calcium hydroxide

Threshold Limit Value.

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
OEL	EU	1		4		RESP.
TLV-ACGIH		5				

Predicted no-effect concentration - PNEC.

Normal value in fresh water	490	microg/l
Normal value for the terrestrial compartment	1080	mg/l

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.
VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374). Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear a hood visor or protective visor combined with airtight goggles (see standard EN 166).

RESPIRATORY PROTECTION

Use a type P filtering facemask (see standard EN 149) or equivalent device, whose class (1, 2 or 3) and effective need, must be defined according to the outcome of risk assessment.

ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance



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with environmental standards.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

Appearance	powder
Colour	white
Odour	odourless
Odour threshold.	Not applicable.
pH.	Not available.
Melting point / freezing point.	Not applicable.
Initial boiling point.	Not applicable.
Boiling range.	Not applicable.
Flash point.	> 60 °C.
Evaporation Rate	Not applicable.
Flammability of solids and gases	Not inflammable
Lower inflammability limit.	Not applicable.
Upper inflammability limit.	Not applicable.
Lower explosive limit.	Not explosive.
Upper explosive limit.	Not explosive.
Vapour pressure.	Not applicable.
Vapour density	Not applicable.
Relative density.	Not available.
Solubility	Not available.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not inflammable.
Decomposition temperature.	Not available.
Viscosity	Not applicable
Explosive properties	Not explosive.
Oxidising properties	Not applicable.

9.2. Other information.

No other information.

SECTION 10. Stability and reactivity.

10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

Calcium hydroxide: In aqueous media $\text{Ca}(\text{OH})_2$ dissociates to form calcium cations and hydroxyl anions (when below the water solubility limit).

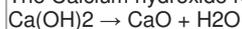
10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

The Calcium hydroxide reacts exothermically with acids. When heated above 580 ° C, it decomposes producing calcium oxide and water:



Calcium oxide (CaO) reacts with water generating heat, which it can be a risk in the presence of flammable materials.

10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.



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Calcium hydroxide: Minimize exposure to air and moisture to prevent degradation.

10.5. Incompatible materials.

The Calcium hydroxide reacts exothermically with acids to form salts. In the presence of moisture reacts with aluminum and brass, developing hydrogen: $\text{Ca (OH) 2} + 2 \text{Al} + 6 \text{H}_2\text{O} \rightarrow \text{Ca (Al (OH) 4) 2} + 3 \text{H}_2$

10.6. Hazardous decomposition products.

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

SECTION 11. Toxicological information.

11.1. Information on toxicological effects.

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.

Acute effects: contact with skin may cause: irritation, erythema, edema, dryness and chapped skin. Ingestion may cause health disorders, including stomach pain and sting, nausea and sickness.

Acute effects: inhalation of this product may irritate the lower and upper respiratory tract and cause cough and respiratory disorders; at higher concentrations it can also cause pulmonary edema. Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.

Calcium carbonate

LD50 (Oral) > 6450 mg/kg Ratto

Calcium hydroxide

LD50 (Oral) > 2000 mg/kg bw Rat (OECD 425)

LD50 (Dermal) > 2500 mg/kg bw Rabbit

SECTION 12. Ecological information.

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity.

Calcium hydroxide

LC50 (fish-96h) LC50 (96h) freshwater fish: 50.6 mg/l

LC50 (96h) saltwater fish: 457 mg/l

EC50 (daphnies-48h) EC50 (48h) freshwater invertebrates: 49.1 mg/l

LC50 (96h) saltwater invertebrates: 158 mg/l

LC50 (algae-72h): EC50 (72h) freshwater algae: 184.57 mg/l

NOEC (72h) saltwater algae: 48 mg/l

Microorganisms toxicity

At high concentrations, through the increase of temperature and pH, calcium dihydroxide is used for disinfection of sewage.

Aquatic organisms chronic toxicity

NOEC (14d) for marine invertebrates: 32 mg / l

Soil-dwelling organisms toxicity

EC10 / LC10 or NOEC for soil macroorganisms: 2000 mg / kg soil dw

EC10 / LC10 or NOEC for soil microorganisms: 12000 mg / kg soil dw

Terrestrial plants toxicity

NOEC (21d) for terrestrial plants: 1080 mg / kg

General effects and more information

Strong pH effect. Although the product is useful to correct water acidity, an excess of more than 1 g / l can be dangerous to aquatic life. Values of pH > 12 decrease rapidly as a result of dilution and carbonation.

12.2. Persistence and degradability.

No data available.

12.3. Bioaccumulative potential.



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No data available.

12.4. Mobility in soil.

The calcium hydroxide, which is sparingly soluble in water, has a low mobility in most soils

12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.

No data available.

SECTION 13. Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

The disposal of Calcium hydroxide must be made in agreement with each national and local disposal. The transformation, the use or the contamination of the product may change the management decisions of the refusal. The disposal of the container and the unused quantity must be in accordance with national and local regulations apply. The packaging used is designed only for the packaging of this product, and it should not be used for packaging other products. Completely empty the packaging after the use.

SECTION 14. Transport information.

14.1. UN number.

Not applicable.

14.2. UN proper shipping name.

Not applicable.

14.3. Transport hazard class(es).

Not applicable.

14.4. Packing group.

Not applicable.

14.5. Environmental hazards.

Not applicable.

14.6. Special precautions for user.

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code.



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Information not relevant.

SECTION 15. Regulatory information.

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

Seveso category. None.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

None.

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisation (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Eye Dam. 1	Serious eye damage, category 1
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
H318	Causes serious eye damage.
H315	Causes skin irritation.
H335	May cause respiratory irritation.



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LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
 2. Regulation (EU) 1272/2008 (CLP) of the European Parliament
 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
 4. Regulation (EU) 2015/830 of the European Parliament
 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.