

**Document type**

**Safety Data Sheet**

**1. Product identification**

<b>1.1 Trading Name</b>	<b>TADELAKT</b>
<b>1.2 Type of product and use</b>	Lime-based coating for architectural surfaces in powder form
<b>1.3 Producer</b>	<b>Stucco Italiano Srl</b> Via Rovereto 20 – 36030 Costabissara (VI) – Italy Tel.: +39 0444 700 991, Email: info@stuccoitaliano.it web: www.stuccoitaliano.com
<b>1.4 Emergency contact num.</b>	Technical information: Stucco Italiano Srl office +39 0444 700 991 (Monday-Friday 8.00–17.00); Mobile phone +39 340 3058872 (Saturday and Sunday)

**2. Identification of hazards**

**2.1 Classification of the substance or mixture**

According to regulation (EC) No 1272/2008 (CLP)

Signal	Hazard class	Hazard category	Hazard statement
Danger	Eye damage	1	H318: Causes serious eye damage
Warning	Skin irritation	2	H315: Causes skin irritation
Warning	STOT SE 3		H335: May cause respiratory irritation

**2.2 Label Elements**

**Hazard pictograms**



**Signal word**

Danger, Warning

**Hazard statements:**

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

**Precaution statements**

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P280 Wear protective gloves/clothing and eye/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents / container in accordance with national regulations

**Supplemental Information**

None

<b>Contains</b>	Calcium hydroxide
<b>2.3 Other hazards</b>	No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$
<b>Other hazards</b>	No other hazards

### 3. Composition

<b>3.1 Substances</b>	N.A.
<b>3.2 Mixtures</b>	Hazardous components within the meaning of the CLP regulation and related classification:

Quantity	Name	Identification number	Classification
$\geq 19\% - < 23\%$	Calcium hydroxide	CAS: 1305-62-0 EC: 215-137-3 REACH No.: 01-2119475151-45-XXXX	3.2/2 Skin irritation 3.3/1 Eye Dam. 1 H318 3.8/3 STOT SE 3 H335

### 4. First-aid measures

#### 4.1 First aid measures:

<b>Contact with skin</b>	Immediately take off all contaminated clothing. Seek immediate medical advice. After contact with skin, wash immediately with soap and plenty of water
<b>Contact with eyes</b>	After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time. Seek medical advice. Do not use eye drops or any kind of lotion unless prescribed by a specialist. Do not rub the eyes.
<b>Ingestion</b>	Do not induce vomiting. Seek medical advice immediately
<b>Inhalation</b>	Seek medical advice immediately. Move the person to fresh air, away from the scene of the accident
<b>4.2 Most important symptoms</b>	None
<b>4.3 Medical attention</b>	In case of unwellness, seek medical advice immediately
<b>Treatment</b>	None

### 5. Firefighting measures

<b>5.1 Extinguishing media</b>	Suitable media: Water Carbon dioxide (CO <sub>2</sub> ) Media which must not be used: None in particular
<b>5.2 Special hazards</b>	Do not inhale explosion and combustion gases Burning produces heavy smoke
<b>5.3 Advice for firefighters</b>	Use suitable breathing apparatus Collect contaminated fire extinguishing water separately. This must not be discharged into drains Move undamaged containers from immediate hazard area if it can be done safely

## 6. Accidental release measures

- 6.1 Individual precautions** Wear protective garments, gloves, glasses  
Wear breathing apparatus if exposed to dusts  
Provide adequate ventilation  
Use appropriate respiratory protections  
See protective measures under point 7 and 8
- 6.2 Environmental precaution** Do not allow to enter soil / subsoil. Do not allow to enter into surface water or drains.  
Retain contaminated washing water and dispose it  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand
- 6.3 Cleaning methods** Collect as much product as possible, possibly absorb the residue with inert material.  
Wash the area with water. Remove everything in compliance with the relevant regulation.

## 7. Handling and storage

- 7.1 Handling precautions** Avoid contact with skin and eyes, inhalation of dusts and mists  
Do not eat or drink during handling  
Use with adequate ventilation  
Avoid inhalation of vapours and mists  
Don't use empty container before they have been cleaned  
Contaminated clothing should be changed before entering eating areas.
- 7.2 Incompatible materials** Keep away from food and drink
- Storage conditions** Keep the containers properly closed, in a clean, dry and dark space at a temperature between +5°C and +30°C.

## 8. Individual control

- 8.1 Control parameters** Calcium hydroxide – CAS: 1305-62-0  
OEL Type: EU - TWA(8h): 1 mg/m<sup>3</sup> - STEL: 4 mg/m<sup>3</sup> - Notes: Respirable fraction OEL Type: ACGIH - TWA(8h): 5 mg/m<sup>3</sup> - Notes: Eye, URT and skin irritation
- DNEL Exposure Limit Values** Calcium hydroxide - CAS: 1305-62-0  
Worker Professional: 4 mg/m<sup>3</sup> - Consumer: 4 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects  
Worker Professional: 1 mg/m<sup>3</sup> - Consumer: 1 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects
- PNEC Exposure Limit Values** Calcium hydroxide - CAS: 1305-62-0  
Target: Fresh Water - Value: 0.49 mg/l  
Target: Marine water - Value: 0.32 mg/l  
Target: Microorganisms in sewage treatments - Value: 3 mg/l Target: Soil (agricultural) - Value: 1080 mg/kg
- 8.2 Exposure controls**
- Precautionary measures** Do not eat or drink during work, wash hands at every break and at the end of work.
- Breathing protection** Use respiratory protection where ventilation is insufficient or exposure is prolonged
- Hands protection** Use protective gloves that provide comprehensive protection (PVC, neoprene or rubber)

<b>Eyes protection</b>	Use close fitting safety glasses with side shields, don't use eye lenses
<b>Skin protection</b>	Use clothing that provides comprehensive protection to the skin (cotton, rubber, PVC)
<b>Exposure limits</b>	No safety measures for normal use.
<b>Thermal hazards</b>	None
<b>Environmental exposure</b>	None
<b>Engineering controls</b>	None

## 9. Chemical / Physical characteristics

<b>Physical state</b>	Solid, powder
<b>Colour</b>	White
<b>Odour</b>	Weak
<b>pH value</b>	11.5 ± 0.50
<b>Melting / freezing point:</b>	N.A.
<b>Boiling point</b>	N.A.
<b>boiling range</b>	N.A.
<b>Water solubility</b>	N.A.
<b>Specific weight</b>	N.A.
<b>Flammability</b>	N.A.
<b>Vapour density</b>	N.A.
<b>Flash point:</b>	N.A.
<b>Vapour pressure</b>	N.A.
<b>Evaporation rate</b>	N.A.
<b>Relative density</b>	N.A.
<b>Solubility in oil</b>	N.A.
<b>Partition coefficient</b>	N.A.
<b>Anti-ignition temperature</b>	N.A.
<b>Decomposition temperature</b>	N.A.
<b>Viscosity</b>	N.A.
<b>Explosive properties</b>	N.A.
<b>Oxidising properties</b>	N.A.
<b>9.2 Other information</b>	N.A.
<b>Miscibility</b>	N.A.
<b>Fat Solubility</b>	N.A.
<b>Conductivity</b>	N.A.
<b>Substance groups</b>	N.A.

## 10. Stability and reactivity

<b>10.1 Reactivity</b>	Stable under normal conditions
<b>10.2 Chemical stability</b>	Stable under normal conditions
<b>10.3 Hazardous reactions</b>	None
<b>10.4 Conditions to avoid</b>	None in particular. Stable in normal conditions.
<b>10.5 Incompatible materials</b>	None in particular.
<b>10.6 Decomposition hazards</b>	None

## 11. Toxicological information

<b>11.1 Toxicological effect</b>	Specific toxicological information not available
<b>Acute toxicity</b>	Not classified. No data available for the product
<b>Skin irritation</b>	The product is classified: Skin irritation 2 H315
<b>Serious eye damage</b>	The product is classified: Eye damage 1 H318
<b>Respiratory sensitisation</b>	The product is classified: May cause respiratory irritation STOT SE 3 H335
<b>Skinn sensitiation</b>	Not classified. No data available for the product
<b>Germ cell mutagenicity</b>	Not classified. No data available for the product
<b>Carcinogenicity</b>	Not classified. No data available for the product
<b>Reproductive toxicity</b>	Not classified. No data available for the product
<b>STOT-single exposure</b>	The product is classified: STOT SE 3 H335
<b>STOT-repeated exposure</b>	Not classified. No data available for the product
<b>Aspiration hazards</b>	Not classified. No data available for the product
<b>Toxicological information of the main substances found in the product</b>	Calcium hydroxide – CAS: 1305-62-0 a) acute toxicity: Test LD50 – Route: Oral – Species: Rat > 2000 mg/kg Test: LD50 – Route: Skin – Species: Rabbit > 2500 mg/kg
<b>11.2 Other hazards</b>	Endocrine disrupting properties: No endocrine disruptor substances present in concentration $\geq 0.1\%$

## 12. Ecological information

<b>12.1 Toxicity</b>	Do not disperse the product in the environment. Waste waters and residues do not have to be poured into drains, into the ground or in watercourses. Not classified for environmental hazards. No data available for the product
<b>Aquatic acute toxicity</b>	Endpoint: LC50 - Species: Fish 50.6 mg/l - Duration h: 96 - Notes: tap water Endpoint: LC50 - Species: Fish 457 mg/l - Duration h: 96 - Notes: see water Endpoint: EC50 - Species: Daphnia 49.1 mg/l - Duration h: 48 - Notes: tap water Endpoint: LC50 - Species: Daphnia 158 mg/l - Duration h: 96 - Notes: see water Endpoint: EC50 - Species: Algae 184.57 mg/l - Duration h: 72 - Notes: tap water Endpoint: NOEC - Species: Algae 48 mg/l - Duration h: 72 - Notes: see water
<b>Aquatic chronic toxicity</b>	Endpoint: NOEC - Species: Daphnia 32 mg/l - Duration h: 96

<b>Terrestrial toxicity</b>	Endpoint: NOEC 2000 mg/kg - Notes: macroorganism Endpoint: NOEC 12000 mg/kg - Notes: microorganism
<b>Plant toxicity</b>	Endpoint: NOEC 1080 mg/kg - Duration h: 21 - Notes: days
<b>12.1 Persistence degradab.</b>	N.A.
<b>12.3 Bioaccumulative poten.</b>	N.A.
<b>12.4 Mobility un soil</b>	N.A.
<b>12.5 PBT, vPvB assessment</b>	cPvB substances: None – PBT substances: none
<b>12.6 Other adverse effects</b>	None

### 13. Information on disposal

<b>Waste treatment methods</b>	Disposal of product residues and waste deriving from its use as well as empty containers must be in compliance with current local regulations (EU: as per Leg. Decree 22 dated 5/2/97).
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### 14. Information on transport

<b>14.1 UN number</b>	The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.
<b>By road</b>	non-hazardous material, non-flammable, non-explosive, not subject to regulation (A.D.R.)
<b>By rail</b>	non-hazardous material, non-flammable non-explosive, not subject to regulation (RID)
<b>By sea</b>	non-hazardous material, non-flammable, non-explosive, not subject to regulation (IMDG Code)
<b>By air</b>	non-hazardous material, non-flammable, non-explosive, not subject to regulation (IATA)
<b>For US Department of Transportation:</b>	Proper shipping name: none Hazard Class: none ID Number: none Packaging Group: none

### 15. Regulatory information

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	Dir. 98/24/EC (Risks related to chemical agents at work) Dir. 2000/39/EC (Occupational exposure limit values) Regulation (EC) n. 1907/2006 (REACH) Regulation (EC) n. 1272/2008 (CLP) Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013 Regulation (EU) 2015/830 Regulation (EU) n. 286/2011 (ATP 2 CLP) Regulation (EU) n. 618/2012 (ATP 3 CLP) Regulation (EU) n. 487/2013 (ATP 4 CLP) Regulation (EU) n. 944/2013 (ATP 5 CLP) Regulation (EU) n. 605/2014 (ATP 6 CLP) Regulation (EU) n. 2015/1221 (ATP 7 CLP) Regulation (EU) n. 2016/918 (ATP 8 CLP) Regulation (EU) n. 2016/1179 (ATP 9 CLP) Regulation (EU) n. 2017/776 (ATP 10 CLP)
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Regulation (EU) n. 2018/669 (ATP 11 CLP) Regulation (EU) n. 2018/1480 (ATP 13 CLP) Regulation (EU) n. 2019/521 (ATP 12 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: Restriction 3

Restrictions related to the substances contained: No restriction.

Where applicable, refer to the following regulatory provisions : Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive) Provisions related to directive EU 2012/18 (Seveso III): Seveso III category according to Annex 1, part 1 : None

#### 15.2 Chemical safety

No Chemical Safety Assessment has been carried out for the mixture.

### 16. Other information

In conformity with the provisions of Leg. Decree 03/65 and Directive 99/45 EC the product is labeled as follows:

Signal	Hazard class	Hazard category	Hazard statement
Danger	Eye damage	1	H318: Causes serious eye damage
Warning	Skin irritation	2	H315: Causes skin irritation
Warning	STOT SE 3		H335: May cause respiratory irritation

This safety data sheet has been completely updated in compliance to Regulation 2020/878. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP)

Classification according to Regulation (EC) n. 1272/2008	Classification procedure
Eye Damage 1, H318	Calculation method
Skin Irritation 2, H315	Calculation method
STOT SE 3, H335	Calculation method

<b>ADR</b>	European Agreement concerning International Carriage of Dangerous Goods by Road
<b>ATE</b>	Acute Toxicity Estimate
<b>ATEMix</b>	Acute toxicity Estimate (Mixtures)
<b>CAS</b>	Chemical Abstracts Service (division of the American Chemical Society).
<b>CLP</b>	Classification, Labeling, Packaging.
<b>DNEL</b>	Derived No Effect Level.
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances.
<b>GefStoffVO</b>	Ordinance on Hazardous Substances, Germany.

<b>GHS</b>	Globally Harmonized System of Classification and Labeling of Chemicals.
<b>IATA</b>	International Air Transport Association.
<b>IATA-DGR</b>	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
<b>ICAO</b>	International Civil Aviation Organization.
<b>ICAO-TI</b>	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
<b>IMDG</b>	International Maritime Code for Dangerous Goods.
<b>INCI</b>	International Nomenclature of Cosmetic Ingredients.
<b>KS<sub>t</sub></b>	Explosion coefficient.
<b>LC<sub>50</sub></b>	Lethal concentration, for 50 percent of test population.
<b>LD<sub>50</sub></b>	Lethal dose, for 50 percent of test population
<b>PNEC</b>	Predicted No Effect Concentration.
<b>RID</b>	Regulation Concerning the International Transport of Dangerous Goods by Rail.
<b>STEL</b>	Short Term Exposure limit.
<b>STOT</b>	Specific Target Organ Toxicity.
<b>TLV</b>	Threshold Limiting Value.
<b>TWA</b>	Time-weighted average
<b>WGK</b>	German Water Hazard Class.

The information contained herein is based on our knowledge at the date given below, refers only to the product indicated and does not represent a guarantee of particular qualities.

The user has to make sure of the suitability and completeness of such information in relation with the specific use and always under his responsibility act in accordance with the regulation on health, safety and environmental protection, provided by current laws.

The manufacturer declines all liability for improper use.

This SDS cancels and replaces any preceding release.