

Document type

Safety Data Sheet

1. Product identification

1.1 Trading Name	STARS
1.2 Type of product and use	Hydrated lime-based decorative wall coating
1.3 Producer	Stucco Italiano Srl Via Rovereto 20 – 36030 Costabissara (VI) – Italy Tel.: +39 0444 700 991, Email: info@stuccoitaliano.it web: www.stuccoitaliano.com
1.4 Emergency contact num.	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)

Hazard Class	Hazard category	Hazard statements
Skin irritation	2	H315: Causes skin irritation
Serious eye damage	1	H318: Causes serious eye damage

2.2 Label Elements

Hazard pictograms



Signal word

Danger

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

Skin contact with wet lime: fresh lime or mortar may cause irritation, dermatitis or burns. May cause damage to products made of aluminum or other non-noble metals.

Contains

Calcium hydroxide

2.3 Other hazards

Lime does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH (Regulation (EC) No 1907/2006). No other hazards.

3. Composition

3.1 Substances	N.A.
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3.2 Mixtures

Hazardous components in compliance with Directive 67/578/EEC as amended, or for which there are exposure limits:

Quantity	Name	Identification number	Classification
>= 21% - < 27%	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:

Contact with skin

Immediately take off all contaminated clothing. Seek immediate medical advice. After contact with skin, wash immediately with soap and plenty of water

Contact with eyes

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.

Ingestion

Do not induce vomiting. Seek medical advice immediately

4.2 Most important symptoms

None

4.3 Medical attention

In case of unwellness, seek medical advice immediately

Treatment

None

5. Firefighting measures

5.1 Extinguishing media

Suitable media:
Water
Carbon dioxide (CO₂)
Media which must not be used:
None in particular

5.2 Special hazards

Do not inhale explosion and combustion gases
Burning produces heavy smoke

5.3 Advice for firefighters

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
Remove person to safety
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
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

None in particular

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/m³ - STEL: 4 mg/m³ - Notes: Respirable fraction OEL Type: ACGIH - TWA(8h): 5 mg/m³ - Notes: Eye, URT and skin irritation

DNEL Exposure Limit Values

Calcium hydroxide - CAS: 1305-62-0
Worker Professional: 4 mg/m³ - Consumer: 4 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Professional: 1 mg/m³ - Consumer: 1 mg/m³ - 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

No safety measures for normal use.

Hands protection

Use protective gloves that provide comprehensive protection (PVC, neoprene or rubber)

Eyes protection

Use close fitting safety glasses with side shields, don't use eye lenses

Skin protection

Use clothing that provides comprehensive protection to the skin (cotton, rubber, PVC)

Exposure limits

No safety measures for normal use.

Thermal hazards

None

Environmental exposure

None

Engineering controls

None

9. Chemical / Physical characteristics

Physical state	Dense paste
Colour	White
Odour	Weak
pH value	12.5 ± 0.20.
Melting / freezing point:	N.A.
Boiling point	N.A.
boiling range	N.A.
Water solubility	N.A.
Specific weight	N.A.
Flammability	N.A.
Vapour density	N.A.
Flash point:	N.A.
Vapour pressure	N.A.
Evaporation rate	N.A.
Relative density	N.A.
Solubility in oil	N.A.
Partition coefficient	N.A.
Auto-ignition temperature	N.A.
Decomposition temperature	N.A.
Viscosity	N.A.
Explosive properties	N.A.
Oxidising properties	N.A.
9.2 Other information	N.A.
Miscibility	N.A.
Fat Solubility	N.A.
Conductivity	N.A.
Substance groups	N.A.

10. Stability and reactivity

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

11. Toxicological information

11.1 Toxicological effect	Specific toxicological information not available
Acute toxicity	Not classified. No data available for the product
Skin irritation	The product is classified: Skin irritation 2 H315
Serious eye damage	The product is classified: Eye damage 1 H318
Respiratory sensitisation	Not classified. No data available for the product
Germ cell mutagenicity	Not classified. No data available for the product
Carcinogenicity	Not classified. No data available for the product
Reproductive toxicity	Not classified. No data available for the product
STOT-single exposure	Not classified. No data available for the product
STOT-repeated exposure	Not classified. No data available for the product
Aspiration hazards	Not classified. No data available for the product
Toxicological information of the main substances found in the product	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

12. Ecological information

12.1 Toxicity	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
Aquatic acute toxicity	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
Aquatic chronic toxicity	Endpoint: NOEC - Species: Daphnia 32 mg/l - Duration h: 96
Terrestrial toxicity	Endpoint: NOEC 2000 mg/kg - Notes: macroorganism Endpoint: NOEC 12000 mg/kg - Notes: microorganism
Plant toxicity	Endpoint: NOEC 1080 mg/kg - Duration h: 21 - Notes: days
12.1 Persistence degradab.	N.A.
12.3 Bioaccumulative poten.	N.A.
12.4 Mobility un soil	N.A.
12.5 PBT, vPvB assessment	cPvB substances: None – PBT substances: none
12.6 Other adverse effects	None

13. Information on disposal

Waste treatment methods

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).

14. Information on transport

14.1 UN number

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.

By road

non-hazardous material, non-flammable, non-explosive, not subject to regulation (A.D.R.)

By rail

non-hazardous material, non-flammable non-explosive, not subject to regulation (RID)

By sea

non-hazardous material, non-flammable, non-explosive, not subject to regulation (IMDG Code)

By air

non-hazardous material, non-flammable, non-explosive, not subject to regulation (IATA)

For US Department of Transportation:

Proper shipping name: none

Hazard Class: none

ID Number: none

Packaging Group: none

15. Regulatory information

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

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)
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:

Symbols	Xi	Irritant
Phrases R	R36/38 R41	Irritating to eyes and skin Risk of serious damage to eyes
Phrases S	S2 S24/25 S26	Keep out of the reach of children Avoid contact with skin and eyes In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
Contains	Calcium hydroxide 21 ÷ 27 %	
Where applicable, refer to the following regulations:		
P.D. 303/56	Health controls	
Leg. Decree 626/94	Safety and health of workers	

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE	Acute Toxicity Estimate
ATEMix	Acute toxicity Estimate (Mixtures)
CAS	Chemical Abstracts Service (division of the American Chemical Society).
CLP	Classification, Labeling, Packaging.
DNEL	Derived No Effect Level.
EINECS	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO	Ordinance on Hazardous Substances, Germany.
GHS	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA	International Air Transport Association.
IATA-DGR	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO	International Civil Aviation Organization.
ICAO-TI	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG	International Maritime Code for Dangerous Goods.
INCI	International Nomenclature of Cosmetic Ingredients.
KSt	Explosion coefficient.
LC50	Lethal concentration, for 50 percent of test population.
LD50	Lethal dose, for 50 percent of test population
PNEC	Predicted No Effect Concentration.



RID	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL	Short Term Exposure limit.
STOT	Specific Target Organ Toxicity.
TLV	Threshold Limiting Value.
TWA	Time-weighted average
WGK	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.