MSDS

1) PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identification

Trade Name: MOSHE 3000 ANTI-EFFLORESCENCE
Product Type: Solid Powder

1.2 Main Recommended Uses for Substance or Mixture

Recommended uses for substance or mixture: Powdered efflorescence nano-blocker additive developed for addition to base mass of subfloors, floors, and swimming pools.

1.3 Identification of the supplier of the safety data sheet

Company Info Company Name: MOSHE 3000 CONSTRUCTION MATERIALS LTD
Address: Rua Zélia, 454 Bairro Assunção São Bernardo do Campo / SP - Brazil
Contact phone: +55 11 97673 1458
E-mail: comercial@moshe3000.com

2) HAZARD IDENTIFICATION

GHS Classification: Not a hazardous substance or mixture.

GHS Labeling Elements: It is not a hazardous substance or mixture.

Other hazards that do not result in classification: Not known.

3) COMPOSITION AND INFORMATION ABOUT THE INGREDIENTS

3.1 Chemical constituents

Chemical Name	Nº CAS	Concentration (%)
Aluminum Silicate	1332-58-7	>= 50 - < 90
Zinc Octadecanoate	557-05-1	>= 1 - < 20

4) FIRST AID MEASURES

4.1 Description of first aid measures

General Recommendation: No risks requiring special first aid measures.

Moving outdoors.

Be inalienated:

In case of skin contact:	Remove contaminated clothing and shoes immediately. Wash with soap and plenty of water.
In case of contact with eyes:	Rinse your eyes with water as a precaution. Remove the contact lenses. Keep eyes wide open while rinsing.
In case of ingestion:	Rinse your mouth with water and drink plenty of water right after. Do not give milk or alcoholic beverages. Never give anything through the mouth to an unconscious person.
4.2 Most important symptoms and effects, both acute and delayed:	It had no significant effects or risks. See Section 11 for more detailed information on health effects and symptoms.
4.3 Note to Physician:	Treat according to symptoms.

5) FIREFIGHTING MEASURES

5.1 Suitable means of extinguishing	Adapt firefighting measures to local conditions and the environment that is situated around you.
5.2 Risky combustion products	Hazardous combustion products are unknown.
5.3 Specific methods of extinguishing:	Standard Procedure for Chemical Fires.
Special protective equipment for firefighting:	Use self-contained breathing equipment in cases of fire.

6) SPILL OR LEAK CONTROL MEASURES

6.1 Individual precautions, protective and protective equipment, and emergency procedures.	Avoid breathing in the dust.
6.2 Environmental precautions	No environmental protection measures required.
6.3 Containment and cleaning methods and materials	Keep in suitable closed containers.

7) HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling:

Prevent the formation of dust. Provide adequate ventilation in places where dust forms.

Recommendations for safe handling:

For personal protection, see item 8. No special advice is required for handling. Follow standard hygiene measures when handling chemicals.

Hygiene measures:

Do not eat or drink during use.
Do not smoke during use.

Conditions for safe storage:

Store the airtight container in a dry, well-ventilated place.
Store according to site regulations.

Materials to avoid:

No incompatible products to be specially mentioned.

8) EXPOSURE CONTROL AND PERSONAL PROTECTION

8.1 Occupational exposure limits

Components	Nº CAS	Value	Permissible concentration Value Type Exhibition form	Regulatory Reference
Aluminum silicate	1332-58-7	TWA	15 mg/m³ (Total dust) 5 mg/m³ (respirable fraction)	OSHA
Aluminum silicate	1332-58-7	TWA	2 mg/m³ (respirable particles)	ACGIH
Observation:	TLV® Base: Pneumoconiosis. Ratings: A4 (Not classifiable as human carcinogenic)			ACGIH
Zinc Octadecanoate	557-05-1	TLV-TWA	10 mg/m³	ACGIH

8.2 Personal Protective Equipment (PPE)

Respiratory protection:

Use respiratory protection unless there is exhaustion of adequate local ventilation or exposure assessment demonstrates that exposure is within recommended exposure guidelines.

Hand protection:

Waterproof, chemical-resistant gloves that conform to an approved standard should be worn during the entire time of handling chemicals if the hazard ratio indicates that it is necessary.

Eye protection:	Safety glasses that meet a standard of approval should be worn when a risk assessment indicates that this is necessary.
Body and skin protection:	Choosing body protection in relation to the type, concentration and quantity of hazardous substance, and to the specific place of work.

9) PHYSICAL AND CHEMICAL PROPERTIES OF THE PRODUCT

Aspect	
Form:	Solid Powder
Cor:	Gray
Odor	
Odor:	Not available
Odor Limit	
Odor Limit:	Not available
pH value	
pH value:	Not available
Melting Point/Freezing Point	
Melting Point/Freezing Point:	Not available
Initial boiling point and boiling interval	
Initial boiling point and boiling temperature range (760 mmHg):	Not available
Flash point	
Flash point:	Not Applicable
Evaporation rate	Not Available
Flammability (solid, gas)	Not available
Upper explosive limit	Not available
Lower explosiveness limit	Not available
Vapor Pressure	Not available
Relative density of steam	Not available
Density	0,600 – 0,950 g/L
Water solubility	Not available

Solubility in other solvents	Not available
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available
Molecular Mass	Not available
Concentration of Volatile Organic Compounds (VOCs)	Not available

10) STABILITY AND RESPONSIVENESS

Reactivity	No dangerous reaction if used normally. The product is chemically stable.
Chemical stability	Not available
Possibility of dangerous reactions	Not available
Conditions to avoid	Not available
Incompatible materials	Does not decompose if stored and used according to instructions
Hazardous decomposition products	

11) TOXICOLOGICAL INFORMATION

Acute toxicity:
No data available.

Corrosion/irritation to the skin:
Not classified based on available information.

Serious Eye Damage/Eye Irritation:
Not classified based on available information.

Respiratory or skin sensitization:
Skin sensitization.: Not classified based on available information.

Respiratory sensitization: Not classified based on available information.

Germ cell mutagenicity:
Not classified based on available information.

Carcinogenicity:
Not classified based on available information.

Reproduction toxicity:

Not classified based on available information.

Specific Target Organ Toxicity - Single Exposure:

Not classified based on available information.

Specific Target Organ Toxicity - Repeated Exposure:

Not classified based on available information.

Aspiration hazard:

Not classified based on available information.

12) ECOLOGICAL INFORMATION

Ecotoxicity:

No data available.

Persistence and degradability:

No data available.

Bioaccumulative potential:

No data available.

Mobility on the ground:

No data available.

Other Adverse Effects

Product:

Additional eco-friendly information:

13) TREATMENT AND DISPOSAL CONSIDERATIONS

Disposition Methods

Contaminated packaging:	Empty containers should be sent to an approved solid waste handling site for recycling or disposal.

14) TRANSPORTATION INFORMATION

IATA-DGR International Regulations

Non-dangerous goods.

Code-IMDG

Non-dangerous goods.

Mass transport in accordance with Annex II of MARPOL 73/78 and the IBC Code

Not applicable to the product as supplied.

National regulation ANTT 420

Non-dangerous goods.

15) REGULATIONS

Safety, health and environmental standards specific to the substance or mixture

Federal Decree No. 2,657, of November 3, 1988.

ANTT Resolution No. 420, of February 12, 2004

ABNT-NBR 14725:2009 – Part 2

ABNT-NBR 14725:2012-part 3 standard

ABNT-NBR 14725:2012-Part 4

Regulatory Standard NR-15 of Ordinance 3.214 of 06/08/78 of the Ministry of Labor.

Regulatory Standard NR-26 of SIT Ordinance No. 229, of May 24, 2011.

Federal Decree No. 10,088, of November 5, 2019;

16) OTHER INFORMATION

This MSDS has been developed based on current knowledge about the proper handling of the product and under normal conditions of use, according to the application specified on the packaging. Any other form of use of the product that involves its combination with other materials, in addition to forms of use other than those indicated, are the responsibility of the user. It is cautioned that the handling of any chemical substance requires prior knowledge of its hazards by the user. In the workplace, it is up to the company that uses the product to promote the training of its employees regarding the possible risks arising from exposure to the chemical product.

- Captions and abbreviations:
- ACGIH – American Council of Governmental Industrial Hygienists.
- OSHA - Occupational Safety and Health Administration.
- NIOSH - National Institute for Occupational Safety and Health.
- IDLH - Immediately Dangerous to Life or Health Concentration.
- N.A - Not applicable.

References:

BRAZIL. MINISTRY OF LABOR AND EMPLOYMENT (MTE). Regulatory Standard (NR) n°7: Occupational health medical control program. Brasilia, DF. Jun. 1978.

BRAZIL. MINISTRY OF LABOR AND EMPLOYMENT (MTE). Regulatory Standard (NR) n°15: Unhealthy activities and operations. Brasilia, DF. Jun. 1978.

GHS - GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS. 8th rev. ed. New York: United Nations, 2019.

ACGIH - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIALS HYGIENISTS. TLVs® and BEIs®: Based on the Documentation of the Threshold Limit Values (TLVs®) for Chemical Substances and Physical Agents & Biological Exposure Indices (BEIs®). Cincinnati-USA, 2020.