# MSDS

## 1) PRODUCT AND COMPANY IDENTIFICATION

Commercial name: MOSHE 3000 FLEX

Product use: Single-component Flexible Water-Repellent Waterproofing

Company name: MOSHE 3000

Address: Rua Zélia, 454 Bairro Assunção São Bernardo do Campo / SP - Brazil

Contact phone: +55 11 97673 1458

Email: comercial@moshe3000.com

## 2) HAZARD IDENTIFICATION

Inhalation: Exposure on application without protection may cause discomfort to sensitive people.

Skin: Skin irritation, redness, and discomfort may occur.

Eyes: Irritation, burns, and corneal damage may occur.

Ingestion: Avoid ingestion. May cause burns to the lining of the mouth, throat, and esophagus if ingested.

Environment: the alkalinity of watersheds and soil may vary, even if minimally.

## 3) COMPOSITION AND INFORMATION ON INGREDIENTS

Nature of the chemical: Mixture.

| MIXTURE | C.A.S. | CONCENTRATION RANGE (%) |
|---|---|---|
| Portland | 65997 -15-1 45-70 | 1-8 |
| Calcium carbonate | 471-34-1 | 2-9 |
| Industrial secret<br>H2O-Based Natural Resins<br>Polymethyl Siloxane Emulsion<br>Soluble Alkali Emulsion<br>Fungicide and Bactericide | | 2-7<br>20 - 70<br>0,01-0,5<br>0,1<br>De 0,01 a 0,085 |

## 4) FIRST AID

Inhalation: Move the victim to a well-ventilated area and call a physician immediately.
Skin: Wash thoroughly with soap and water and consult a physician. Do not apply anything to the affected area without consulting a medical professional.
Eyes: If the victim is wearing contact lenses, remove them. Wash with plenty of water with the eyelid inverted. See an ophthalmologist immediately.

Ingestion: Do not induce vomiting. See a doctor immediately. If spontaneous vomiting occurs, keep the victim leaning forward with the head down.

**5) FIREFIGHTING MEASURES**

Extinguishing methods: non-flammable product (product has a high flash point, therefore it is not flammable nor a source of ignition).
Specific hazards arising from the substance or mixture: Non-flammable product.

**6) SPILL OR LEAK CONTROL MEASURES**

Environmental Precautions: Isolate the accident area. Prevent the spread of the spilled product, avoiding the contamination of rivers and springs. Stop leaks if possible, by avoiding contact with skin and clothing. Never dispose of or pour material directly into the sewer.
Leaks must be reported to the manufacturer and/or environmental agencies.
Methods and material for containment and cleaning up: Use dikes or natural barriers to contain the spilled product. Absorb dry. Collect all material in appropriate and properly labeled containers for further treatment and disposal.
Waste must be disposed of following local, state, or federal environmental legislation. When loading, verify that it is an appropriate location and perform the indicated safety procedures.

**7) HANDLING AND STORAGE**

Precautions for safe handling: Handle with care and avoid contact, and wear appropriate personal protective equipment. Dissolving the product in water should be done slowly, mixing constantly. Always add the product to the water and never the other way around.
Safe Storage Conditions: Store in a well-ventilated, dry place, away from moisture and water, physical damage, and chemicals that can cause dangerous reactions. Keep containers tightly closed and protected from damage.
Areas must be protected from direct sunlight.
Temperature between 5 and 30 degrees centigrade.

**8) EXPOSURE CONTROL AND PERSONAL PROTECTION**

Permissible Exposure Limit (OSHA): Total dust - 15 mg / $m^3$; Breathable - 5 mg / $m^3$
Engineering control measures: Generate mechanical ventilation with an exhaust system with direct exhaust to the environment. Keep the atmosphere concentration of the product content below the limits suggested in professional exposure.
Respiratory protection: It is not necessary to use respiratory protection, as the pasty liquid product, at the temperature of use, does not lose vapors to the environment.
Hand protection: Gloves protected by natural rubber, nitrile, or any other waterproof material available.
Eye/face protection: Safety glasses or face shield.
Skin and body protection: closed shoes and protective gear covering the entire body.
Avoid contact with the skin, eyes, and mucous membranes for a long time, performing instantaneous washing of the affected areas.

**9) PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Light blue pasty liquid and gray when applied.

Odor: Characteristic. pH: 8 to 10.

Relative density: 1.15 g / $cm^3$

Flammability: Not flammable.

Solubility: soluble in $H^2O$.

Explosive Limit: Non-explosive product

Freezing point less than zero degrees centigrade

**10) STABILITY AND REACTIVITY**

Chemical stability: Stable product when kept under normal conditions.

Conditions to Avoid: Avoid moisture during storage.

Possibility of hazardous reactions: Does not have conditions that by themselves will cause particular hazardous reactions.

Conditions to avoid

Always avoid storage at temperatures above 30 degrees centigrade, in order not to lose the product's shelf life or its efficiency.

Hazardous decomposition products

In the decomposition by incineration or biological of the product only water and carbon dioxide are formed which are not dangerous products.

**11) TOXICOLOGICAL INFORMATION**

Acute toxicity: Not applicable.

Skin corrosion/irritation: If the product adheres to the skin, mild irritation may occur Serious eye damage/eye irritation: May cause mild eye irritation

Respiratory or skin sensitization: The product is not expected to exhibit respiratory sensitization.

Germ cell mutagenicity: The product is not expected to show germ cell mutagenicity.

Carcinogenicity: The product is not expected to be carcinogenic.

Reproductive Toxicity: The product is not expected to be toxic for reproduction.

Specific Target Organ Toxicity: The product is not expected to exhibit specific target organ toxicity.

Aspiration Hazard: The product is not expected to present an aspiration hazard.

**12) ECOLOGICAL INFORMATION**

Ecotoxicity: toxicity to fish LC 50 (96h) greater than 100 mg/l Brachydanio rerio

Aquatic invertebrates EC50 (48h) greater 100 mg/l Daphnia magna

Aquatic plants EC 50 (72h) greater 100 mg/l Scemedesmus Subspicatus

Persistence and degradability: The product can be largely eliminated from water through abiotic processes, for example by absorption in Activated Iodine.

Easily eliminated from the water. The product has not been tested, the assessment derives from substances/products with similar structure or composition.

Bioaccumulative Potential: Based on its structural properties, Moshe 3000 Flex is not biologically available. Accumulation in organisms is not expected.

Land mobility: Not determined.

**13) FINAL DESTINATION CONSIDERATIONS**

Recommended Methods for Final Disposal: Never dispose into sewers or the environment. As a class II inert waste, it must be disposed of following current health and environmental regulations.

Used packaging: Remains of used products and packaging must be washed with water jets and neutral soap, and the resulting residue sent for effluent treatment. Do not reuse empty packaging.

**14) TRANSPORT INFORMATION**

National and international regulations: MOSHE 3000 FLEX is not considered a hazardous chemical; therefore, no codes and classifications apply to land, river, sea, or air transport.

Name: MOSHE 3000 FLEX

**Transport Limitations:** Maximum stacking of 3 pails of 18 Lts or 5 pails of 1 or 3.6 Lts.

**15) REGULATORY INFORMATION**

Federal Decree n. 2657 of July 3, 1998

Law n. 12,305 of August 2, 2010

Decree n. 7404 of December 23, 2010

Ordinance n. 229 of May 24, 2011, Amends Regulatory Standard n. 26

Standard ABNT NBR 14725-4 2014

The product does not harm nature, and using the PPE mentioned above will not cause health problems.

**16) OTHER INFORMATION**

The information represented herein was taken from sources that we believe to be reliable and reflect our current knowledge of the product but should not be construed as definitive.

To promote the safe use of the product, it is recommended that customers study this MSDS, clarifying any doubts or supplementing information together with us and guiding their employees.