Mineral Stains LLC
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FIXATIV- MASONRY STAIN THINNER

SAFETY DATA SHEET

Based on Commission Regulation (EU) 2020/878 of 18.06.2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the registration, evaluation, authorization, and restriction of chemicals (REACH)

Date of preparation: 04/06/2024

Section 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier: Potassium silicate preparation FIXATIV.

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

Water-dilutable preparation based on polymer resin and potassium silicates intended for painting building surfaces inside and outside buildings. Uses advised against: no information.

1.3. Details of the supplier of the safety data sheet:

Mineral Stains LLC – Jacksonville, FL 32223

Tel: 904-896-7200 - email: info@mineralstains.com

1.4. Emergency telephone number: 911, or the nearest unit of the State Fire Service.

Section 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

- The product is not classified as hazardous according to Regulation (EC) No 1272/2008.

Environmental impact data: none according to available information.

2.2. Label elements: not required.

2.3. Other hazards: The product does not meet the criteria for PBT or vPvB.

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Water that is dilutable preparation based on copolymer dispersion and potassium silicates, containing auxiliary agents and water.

3.1. Substances

Ingredients % w/w Index number EC number CAS number

Potassium salt of silicic acid 3-7 not applicable 215-199-1 1312-76-1

Inorganic substance type UVCB

Registration number: 01-2119456888-17-xxxx

According to Regulation (EC) No 1272/2008: H300-product not classified as hazardous.

General hazard:

Substance with MR module > 3.2 is not classified as hazardous under current regulations.

Section 4. FIRST AID MEASURES

4.1. Description of first aid measures: Accidental ingestion: give water to drink. Do not induce vomiting. In case of malaise or nausea, seek medical advice. Inhalation: move to fresh air. Skin contact: wash skin with water and soap, change contaminated clothing. Eye contact: immediately rinse with plenty of running water for at least 10 minutes. Remove contact lenses if present. In case of irritation, seek medical advice.

4.2. Most important acute and delayed symptoms and effects: no available data.

4.3. Indication of any immediate medical attention and special treatment needed: no available data.

Section 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media: All commonly available extinguishing media are permissible.

5.2. Special hazards arising from the substance or mixture: no available data.

5.3. Advice for firefighters: Non-flammable product. In case of fire, it can be mixed with water. At elevated temperatures, it reacts with aluminum, zinc, tin, and their alloys with the release of hydrogen (explosion hazard).

Section 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment, and emergency procedures: protective gloves, goggles.

6.2. Environmental precautions: avoid discharge into the environment.

6.3. Methods and materials for containment and cleaning up:

In case of leakage or spillage, collect the product in plastic or steel containers. The remaining residues that cannot be collected should be washed off with water from contaminated surfaces. Do not use aluminum and galvanized containers. Prevent the product from entering sewers, soil, water reservoirs.

6.4. Reference to other sections: none.

Section 7. HANDLING AND STORAGE

7.1. Precautions for safe handling: Avoid direct contact with skin, mucous membranes, and clothing. After work, thoroughly wash skin contamination with water and soap. Ventilate rooms during work, and before putting them into use, ventilate until the odor disappears.

7.2. Conditions for safe storage, including any incompatibilities: Store in tightly closed containers, in a dry and cool place. Do not use aluminum and galvanized containers. Protect from direct sunlight and other heat sources and temperatures below +5°C.

7.3. Specific end use(s): no available data.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters: no data.

8.2. Exposure controls

During work, ensure adequate ventilation.

a) Respiratory protection: use dust masks during spraying.

b) Hand protection: when working with the product, wear suitable protective gloves, e.g., butyl, nitrile gloves. Gloves compliant with EN 374 with a breakthrough time > 480 min. The protective properties of the gloves depend not only on the material from which they are made. The protective action time may vary for different glove manufacturers.

c) Eye protection: wear tightly fitting protective goggles, protecting against product splashes.

d) Skin protection: work overalls or apron, headgear.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

- Physical state: medium-viscous liquid

- Color: white

- Odor: mild, characteristic

- Odor threshold: not determined

- pH value: 10-11

- Melting/freezing point: not applicable

- Boiling point/range: not applicable

- Flash point: not applicable

- Evaporation rate: not applicable

- Flammability: non-flammable

- Upper/lower flammability limits: not applicable

- Vapor pressure: not applicable

- Vapor density: not applicable

- Relative density: approx. 1.1 g/cm3

- Solubility in water: dilutable

- Partition coefficient n-octanol/water: no data

- Auto-ignition temperature: no data

- Decomposition temperature: no data

- Viscosity: no data

- Vapor density: no data

- Evaporation rate: no data

- Explosive properties: not applicable

- Oxidizing properties: not applicable

- Particle characteristics: not applicable

9.2. Other information: freezes below 0°C.

Section 10. STABILITY AND REACTIVITY

10.1. Reactivity: the product is stable, used under conditions consistent with the instructions does not decompose.

10.2. Chemical stability: reacts with acids releasing CO2.

10.3. Possibility of hazardous reactions: no data.

10.4. Conditions to avoid: no data.

10.5. Incompatible materials: concentrated acids, alkalis, alkali metals, aluminum, zinc, tin, and their alloys.

10.6. Hazardous decomposition products: At elevated temperatures, it reacts with aluminum, zinc, tin, and their alloys with the release of hydrogen (explosion hazard).

Section 11. TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes defined in Regulation (EC) No 1272/2008: no data.

11.2. Information on toxicological effects: No known data on the harmful effect of the product on human health. Due to the alkaline nature of the preparation, contact with the skin may cause irritation

of the epidermis in sensitive individuals, manifested by redness. In case of ingestion, it causes irritation of the mouth, esophagus, and stomach. Sprayed mist irritates the respiratory tract. Direct contact causes eye burns and conjunctival irritation.

Section 12. ECOLOGICAL INFORMATION

Do not allow the product to enter sewage systems and groundwater. No data on environmental impact. No data on the biodegradability of the product.

12.1. Toxicity: sodium salt of silicic acid

Acute toxicity to fish: LC50>146 mg/l/48h (Leucidus idus)

Toxicity to algae: Scenedesmus subspicatus, EC50>207mg/l/72h (biomass), EC50>345.4 mg/l/72h (growth)

Toxicity to microorganisms: ECO>10000mg/l/18h (pH 7.6-7.8) Pseudomonas putida).

12.2. Persistence and degradability: not applicable to inorganic substances.

12.3. Bio accumulative potential: low potential.

12.4. Mobility in soil: no data.

12.5. Results of PBT and vPvB assessment: does not meet the criteria according to REACH Regulation.

12.6. Endocrine-disrupting properties: no data.

12.7. Other adverse effects: no data.

Section 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods: Waste classification according to the Regulation of the Minister of the Environment of 9 December 2014 on the waste catalog (Dz.U. of 2014, item 1923): small quantities, code - 20 01 28, larger quantities, code - 08 01 12. According to the regulation, the product waste is not hazardous waste. Disposal and neutralization of waste should be carried out in accordance with local regulations applicable in the given area. Used