

MATERIAL SAFETY DATA SHEET

Sim Stain

Simulated Acid Stain

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SIM-STAIN

Original Issue: 7/10/05

Modified Issuance: 11/01/11 **SUPERCEDES ALL PREVIOUS ISSUANCE**

I. PRODUCT IDENTIFICATION

Trade Name(s): SIM-STAIN Intended Use: Safer Alternative to Concrete Acid Stains

Supplier: L & M Industries LLC 5949 Broken Bow Lane, Port Orange, FL 32127

Emergency Telephone Number : 877-782-4632

SECTION 2 Hazards Identification

No ingredients in this product are hazardous as defined by regulatory bodies.

SECTION 3 Composition / Information on Ingredients

This material is regulated as a mixture

Ingredient CAS # EC# % (by weight)

Non Hazardous Micronized

Pigments

black 1333-86-4 ND <5%

yellow 51274-00-1 ND <5%

green 1328-53-6 ND <5%

red 1309-37-1 ND <5%

blue 147-14-8 ND <5%

white (TiO₂ in aqueous

solution non hazardous)

13463-67-7 ND <5%

Proprietary ingredients Trade secret ND <13%

SECTION 4 First Aid Measures

Eye Contact: Rinse with running water for 15 mins. Hold eyelids apart while irrigating.

Skin Contact: Wash affected area thoroughly with soap and water. Wash clothing before reuse.

Inhalation: Move to fresh air. Administer artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical attention. **Ingestion:** Get medical attention immediately. Do not induce vomiting.

SECTION 5 Fire Fighting Measures

Extinguishing Media:

Appropriate: Foam, CO₂, Dry chemical, water fog

Inappropriate: Solid streams of water

Fire Fighting Procedures: Cool containers to prevent pressure buildup and possible explosion when exposed to extreme

heat. Full protective equipment, including self-contained breathing apparatus required.

Unusual Fire and Explosion Hazard: Closed containers can explode due to buildup of pressure when exposed to extreme heat.

Hazardous Combustion Products: Smoke, fumes, vapors, oxides of carbon

Flammability Properties

Flash Point (Method): NA

Flammable Limits (Approximate volume % in air): LEL: none UEL: none

Autoignition Temperature: NA

SECTION 6 Accidental Release Measures

Personal precautions: Evacuate personnel to safe areas. Ventilate area.

Environmental precautions: Prevent entry into waterways.

Methods for clean-up: Small spills may be cleaned up with paper toweling and disposed into approved container. Larger spills absorb onto sand, vermiculite, or any other inert, non-combustible material. Scoop into containers for later appropriate disposal.

SECTION 7 Handling and Storage

Handling: Avoid contact with eyes, skin, and clothing. Avoid handling of vapor or mist. Do not permit eating, drinking, smoking near material. Remove all potential sources of ignition.

Storage: Keep containers tightly closed, in dry, cool, well ventilated place. Keep out of reach of children.

SECTION 8 Exposure Control / Personal Protection

Exposure limit values: Pertains to abrading, sanding, removing dried film

ACGIH (TWA), 5 mg/m³ (respirable fraction)

OSHA (TWA) 10 mg/m³ (fume)

Occupational exposure controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Respiratory protection: Wear suitable NIOSH approved respirator when spraying product and ventilation is inadequate

Hand protection: Chemically compatible gloves

Eye protection: Safety glasses with side shields

Skin protection: Minimize skin contact with appropriate long-sleeved clothing

Hygiene measures: Observe good industrial hygienic practices. Frequently launder or discard proactive clothing, equipment.

Environmental exposure controls: Emissions from work process equipment should be checked against requirements of appropriate environmental protection legislation. In some cases alteration to work process equipment may be necessary to reduce emissions to acceptable levels.

SECTION 9 Physical and Chemical Properties

General

Physical state: liquid

Color: dependent upon stain selected

Odor: organic citrus

Safety Data

pH: 7.5 – 8.5

Boiling point: >100°C / 212°F

Flash point: NA

Flammable limits (approximate volume % in air): LEL: none UEL: none

Auto ignition temperature: NA

Vapor density: heavier than air

Water solubility: NA

Specific gravity (water = 1): 1.01 – 1.04

SECTION 10 Stability and Reactivity

Stability: Stable under normal conditions

Conditions to avoid: temperature extremes

Materials to avoid: none known

Hazardous decomposition products: by fire, CO and CO₂

Hazardous polymerization: will not occur

SECTION 11 Toxicological Information

No ingredient in this product is listed as carcinogenic by IARC, NTP, or OSHA.

No LC50 or LD50 data is available

SECTION 12 Ecological Information

Ecotoxicity: Material expected to have low toxicity to aquatic organisms

Mobility: Under extreme circumstances may contaminate ground water.

Persistence and degradability

Biodegradation: readily biodegradable

Atmospheric oxidation: expected to degrade rapidly in atmosphere

Bioaccumulation potential: extremely low potential to bioaccumulate

SECTION 13 Disposal Considerations

Methods of disposal: This material may be safely incinerated or land filled in accordance with federal, state, and local environmental control regulations.

Section 14 Transport Information

International transport regulations

This product is not regulated for transport.

DOT Not regulated none

ADR/RID class Not regulated none

IMDG class Not regulated none

IATA class Not regulated none

SECTION 15 Regulatory Information

TSCA (USA - Toxic Substance Control Act)

All components of this product are listed on the U.S. Toxic Substances Control Act Inventory (TSCA Inventory) or are exempted from listing because of low volume

SARA Title III (USA – Superfund Amendments and Reauthorization Act)

313 Reportable Ingredients: None

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

There are chemicals present known to the state of California to cause cancer or reproductive toxicity.

CPR (Canadian Controlled Products Regulations)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

SECTION 16 Other Information

Recommended restriction: for use by trained professionals, having read the complete MSDS

To the best of our knowledge the information contained here is accurate. However, neither the above named manufacturer nor any of its distributors assumes any liability whatsoever for the accuracy or the completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.