

SealGreen®

Concrete Cleaning & Sealing Products

Technical Data Sheet

Concrete Rust Remover Installation Instructions

Singerman Laboratories Rust Stain Remover for Concrete is the most effective cleaner in the marketplace for removing rust stains from concrete and natural stone. It is supplied as a white powder which is mixed with water just before application, forming a clear gel. The rust stain remover is spread on the surface and left for one to fifteen minutes, depending on the severity of the stain; the stain disappears without scrubbing. Rinse thoroughly to prevent re-deposition of the stain. Will not harm grass or other vegetation.

After mixing with water, one gallon of gel will cover about 60 square feet of concrete or stone surface. It should be used as soon as possible after mixing with water; after four hours, it will be no more than half as effective as when fresh; it will be ineffective after standing overnight.

Singerman Laboratories Rust Stain Remover for Concrete is neither toxic nor corrosive. It will not harm concrete or stone surfaces. Singerman Laboratories Rust Stain Remover for Concrete, a proprietary mixture, is non-flammable according to the Code of Federal Regulations of the Department of Transportation. It is non-hazardous as defined by the OSHA Hazard Communication Standard, and thus does not require a Material Safety Data Sheet (MSDS). However, Singerman Laboratories does provide an MSDS sheet to help our customers exercise prudent care when handling this product. We urge you to read the MSDS before using this product.

One word of caution: Wear old clothes when using Singerman Laboratories Rust Stain Remover for Concrete. Splashed on clothing, it will bleach color out of most fabrics. In fact, this product will do an excellent job of removing the rust stain from a white shirt or a white tablecloth. Use only on white, water-washable fabrics.

The above data are based on tests and experience which Singerman Laboratories believes reliable, and are supplied for informational purposes only. Singerman Laboratories disclaims any liability for damage or injury which results from the use of the above data and nothing contained therein shall constitute a guarantee, warranty or representation by Singerman Laboratories with respect to the data, the products described or their use for any specific purpose.

Issue Date 2/97

MATERIAL SAFETY DATA SHEET

Ecotec® Rust Stain Remover for Concrete *Trademark of Singerman Laboratories

Material Safety Data Sheets are required by OSHA's Hazard Communication Law for products which are hazardous. To the best of our knowledge, this product is not considered hazardous as defined by the OSHA Hazard Communication Standard. However, Singerman Laboratories provides this MSDS to help our customers exercise prudent care when handling this product.

1. PRODUCT IDENTIFICATION.

Manufacturer's Name Singerman Laboratories
Address 4091 Saltsburg Rd., Murrysville PA 15668
Trade Name Ecotec® Rust Stain Remover for Concrete
Chemical Class Proprietary mixture. Contains sodium hydrosulfite.

Emergency Telephone Nos. (800) 798-7986 ext. 102; (281) 296-9443

2. HAZARDOUS INGREDIENTS.

Hazard Rating
(ingredient suppliers)

Health: 2
Fire: 0
Reactivity: 1
Special: none

Hazard Rating Scale:

0 = minimal
1 = slight
2 = moderate
3 = serious
4 = severe

HMIS Rating

Health: 2
Fire: 0
Reactivity: 1

Exposure Limits, ppm:

OSHA PEL N/D
ACGIH TLV N/D
Other Limit N/D

3. PHYSICAL DATA.

Initial Boiling Point (Deg F) N/A
Vapor Pressure (mm Hg) N/D
Solubility in Water Partially soluble
Appearance Colorless powder
Odor Odorless
Specific Gravity (approx.) N/D
Melting Point (Deg F) 300 C (dec.)
pH acidic
Evaporation Rate (water = 1) N/A
Percent Volatile (weight %) 0

4. FIRE AND EXPLOSION DATA.

Flash Point (Deg F) Not applicable
Autoignition Temperature: Not applicable
Extinguishing Media: Not combustible
Unusual Fire and Explosion Hazards None
Flammable limits in air, % Lower: N/A
Upper: N/A
Special Fire Fighting Procedures None

5. HEALTH HAZARD INFORMATION.

First Aid

Eyes: Considered an irritant. In case of eye contact, immediately flush eyes with lots of running water for 15 minutes. Seek medical attention immediately.

Skin: Mild irritant. Immediately wash skin with soap and water. Remove contaminated clothing and wash before reuse.

Inhalation: N/D

Ingestion: If swallowed, wash out mouth with water. Seek medical attention immediately.

Toxicity: May cause eye, skin, mucous membrane irritation.

Carcinogenicity: The ingredients in this material are not considered to be carcinogens by the National Toxicology Program, the International Agency for Research on Cancer, or the Occupational Safety and Health Administration.

6. REACTIVITY DATA.

Stability	Stable; becomes warm on contact with moisture.
Incompatibility	Strong oxidizers, reducing agents. In contact with strong acids, liberates toxic gas (sulfur oxides).
Hazardous Decomposition Products	Sulfur oxides.
Hazardous Polymerization	Will not occur

7. SPILL OR LEAK PROCEDURES.

Action to take for spills or leaks:
Material should be picked up mechanically and placed in drums or other appropriate containers. Flush area with water to remove final traces. Wear rubberized protective equipment and eye goggles. Caution: Spills can be slippery.

Waste disposal method:
Dispose of in approved landfill or neutralize and flush to drain. All disposal must comply with applicable federal, state, and local regulations.
This product, if disposed of, is not considered a hazardous waste under current RCRA regulations.

8. SPECIAL PROTECTION INFORMATION.

Respiratory Protection	None required.
Ventilation	Standard. No special requirements.
Eye Protection	Safety glasses with side shields.
Protective Clothing	Standard rubber gloves.
Other Protective Equipment	Eyewash and safety shower should be available.

9. SPECIAL PRECAUTIONS.

Storage and handling: Store in cool, dry, well-ventilated place away from incompatible materials. Keep container tightly closed.

10. SHIPPING DATA.

Hazard Classification
Not regulated under current DOT, IMO, or ICAO regulations.
DOT proper shipping name (49CFR172.101-102): None
DOT hazard classification (CFR172.101-102): None (mixture chars but does not burn in presence of ignition source)
DOT labels required (49CFR172.101-102): None
Hazardous substance (49CFR CERCLA LIST): None
DOT placards required (CFR 172.504): None
Poison Constituent (49CFR172.203K): None
UN number: None

Transportation and Storage	
Bill of lading Description:	Cleaning compound, powder
Shipping containers:	Ship or store in original container. Keep tightly closed.
Storage/transport temperature:	Ambient
Electrostatic accumulation hazard:	None
Storage/transport pressure:	Ambient
Loading/unloading temperature:	Ambient

11. ECOLOGICAL INFORMATION.

Components are biodegradable. Other ecological information not yet available.

12. ADDITIONAL INFORMATION.

SARA requires submission of annual reports of release of toxic chemicals that appear in 40CFR372. This information must be included in all MSDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: None

NOTICE.

While Singerman Laboratories believes the data set forth herein are accurate as of the date hereof, Singerman Laboratories makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation, and verification.

FOOTNOTES: EXPLANATION OF ACRONYMS.

ACGIH	American Conference of Governmental Industrial Hygienists
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
DOT	United States Department of Transportation
HMIS	Hazardous Materials Identification System rating for product as supplied
ICAO	International Civil Aviation Organization
IMO	International Maritime Organization
N/A	Not applicable
N/D	Not determined
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limits
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act
TLV	Registered trademark of American Conference of Governmental Industrial Hygienists for Threshold Limit Value
UN 49, Parts	United Nations hazardous materials tables (CFR, Title 100-199)

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DISTRIBUTED BY:

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