

MATERIAL SAFETY DATA SHEET

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 *Singerman Laboratories* **Rust Remover for Concrete**
Chemical Class Proprietary mixture. Contains sodium hydrosulfite.
Regular Telephone No. (412) 798-0447
Emergency Telephone No. (281) 296-9443

2. HAZARDOUS INGREDIENTS.

Hazard Rating*
(ingredient suppliers)

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

HMIS Rating

Health: 2
 Fire: 0
 Reactivity: 1

Exposure Limits, ppm:

*Hazard Rating Scale:
 0 = minimal 3 = serious
 1 = slight 4 = severe
 2 = moderate

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

3. PHYSICAL DATA.

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

4. FIRE AND EXPLOSION DATA.

Flash Point (Deg F)	N/A	Flammable limits	Lower:
Autoignition Temperature:	N/A	in air, %	Upper: N/A
Extinguishing Media:	Not combustible		

Unusual Fire and
Explosion Hazards

None

Special Fire Fighting
Procedures

None

MATERIAL SAFETY DATA SHEET

Singerman Laboratories Rust Remover for Concrete

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:** 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, acids. 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.

MATERIAL SAFETY DATA SHEET

Singerman Laboratories Rust Remover for Concrete

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

MATERIAL SAFETY DATA SHEET

Singerman Laboratories Rust Remover for Concrete

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 for Threshold Limit Value	Registered trademark of American Conference of Governmental Industrial Hygienists
UN	United Nations hazardous materials tables (CFR, Title 49, Parts 100-199)